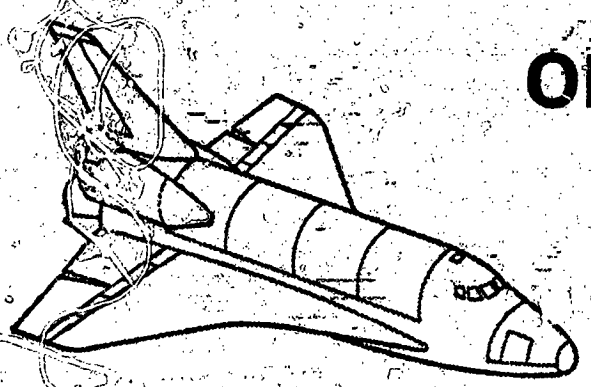
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NASA CR-134346

(NASA-CR-134346) DATA CORRELATION AND ANALYSIS OF ARC TUNNEL AND WIND TUNNEL TESTS OF RSI JOINTS AND GAPS. VOLUME 2: DATA (McDonnell-Douglas Astronautics Co.) 775 p HC $42.00 CSCL 22B N74-27 [illegible] Unclas G3/31 34038

DATA CORRELATION AND ANALYSIS OF ARC TUNNEL AND WIND TUNNEL TESTS OF RSI JOINTS AND GAPS

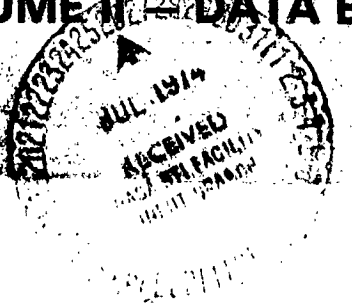


FINAL REPORT

29 JANUARY 1974

NAS9-13439
DRL 1918
DRD MA-3947

VOLUME II — DATA BASE



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DATA CORRELATION AND ANALYSIS OF ARC TUNNEL AND WIND TUNNEL TESTS OF RSI JOINTS AND GAPS

FINAL REPORT

29 JANUARY 1974

MDC E1003
JSC 09003

16 May 1973 to 31 January 1974

VOLUME II DATA BASE

Prepared by: H. E. Christensen
H. E. Christensen, Principal Investigator

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FOREWORD

This report summarizes the work conducted by McDonnell Douglas Astronautics Company-East (MDAC-E) in St. Louis, Missouri for the Structures and Mechanics Division of the NASA Johnson Space Center (NAS-JSC) under Contract NAS9-13439, "Data Correlation and Analysis of Arc Tunnel and Wind Tunnel Test of RSI Joints and Gaps." This final report consists of two volumes: Volume I - Technical Report and Volume II - Data Base. The period of performance was from 16 May 1973 thru 31 January 1974.

Mr. Donald J. Tillian was the NASA Technical Monitor for this study; Messrs. H. E. Christensen and H. W. Kipp were the MDAC Principal Investigator and Study Manager, respectively. Significant contributions to this study were made by Dr. H. J. Brandon, Messrs. L. H. Ebbesmeyer, H. J. Fivel, D. A. Osborne and T. W. Parkinson. The cooperation of numerous NASA Personnel at Ames Research Center, Johnson Space Center and Langley Research Center in providing experimental data, supplemental calculations and valuable counsel was instrumental to the successful completion of this study.

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TABLE OF CONTENTS

Section		Page
1.0	Introduction	1
2.0	NASA/JSC,10 MW Channel Nozzle Tests	3
	2.1 Model Description	13
	2.2 Model X-Ray	29
	2.3 Photographs of Models	67
	2.4 Thermocouple Temperature Responses	75
	2.5 Terminology Used in Data Listing	165
	2.6 Tabulation of Heating Distributions From Inverse Solution	169
3.0	NASA/LARC, CFHT Tests	177
	3.1 Model Description and Instrumentation Locations	185
	3.2 Calibration Data	193
	3.3 Terminology Used in Data Listing	195
	3.4 CFHT Test Data Listing	199
4.0	NASA/LARC, Mach 8 Variable Density Tunnel (V.D.T.) Tests	519
	4.1 Model Descriptions and Instrumentation Locations	519
	4.2 Terminology Used in Data Listing	527
	4.3 Mach 8 V.D.T. Test Data Listing	531
5.0	NASA/Ames, 3.5 Foot H.W.T. Tests	593
	5.1 Model Descriptions and Instrumentation Locations	597
	5.2 Calibration Data	597
	5.3 Terminology Used in Data Listing	613
	5.4 3.5 Foot H.W.T. Test Data Lising	615
6.0	References	771

LIST OF PAGES
ii through v
1 through 771

1.0 INTRODUCTION AND SUMMARY

The reusable surface insulation (RSI) thermal protection system (TPS) for Space Shuttle requires gaps at RSI joints to accomodate structural deflection resulting from loads and thermal expansion. In addition, allowance must be made for manufacturing and assembly tolerances. At room temperature, gap widths under current consideration are nominally 0.127 cm (0.050") $\pm$ .038 cm (.015"). In orbital operation, these may shrink to near zero during cold soak or grow by as much as 25%.

The successful application of RSI material for Shuttle thermal protection is significantly affected by entry heating within the RSI gaps. Gap width, depth, crossection geometry, gap orientation, boundary layer state and surface mismatch are all known to affect convective heating within the gap and heat leakage to the protected substructure. For instance, present study results indicate a flush transverse butt gap 0.127 cm wide, increases TPS thickness requirements by approximately 1/3 above the thickness required with no gap.

During 1972 and 1973, extensive tests of various gap configurations were run by NASA to provide a data base for accurate assessment of gap heating. Data were taken in both wind tunnels and in arc tunnels. In the present study, a large segment of the available data was analyzed and correlated to obtain methods for predicting heating in the RSI gaps on Shuttle. The following major tasks were performed during the study:

- Assimilation of gap heating data from NASA facilities
- Analysis of the data to determine heating rates and sensitivities; comparison of the various candidate joints
- Correlation of the assimilated data and the development of a gap heating procedure which was applied to three Shuttle trajectories

This volume of the final report contains the gap heating data which were assimilated during the current study. The data sources and test conditions are summarized in Figure 1.0-1.

The data contained in subsequent sections includes a description of each test facility, run schedule and test conditions, model descriptive information, temperature response and heat flux data.

GAP HEATING DATA SOURCES

INVESTIGATORS	TEST FACILITY AND CONDITIONS	DATA DESCRIPTION
D. J. TILLIAN H. E. CHRISTENSEN (1972-1973	JSC 10 MW ARC TUNNEL CHANNEL NOZZLE $4.2 < M < 4.7$ Re m^{-1} = 50,000	LAMINAR B.L.; 60 RUNS; MULLITE RSI MODELS; BUTT, CONTOURED, INCLINED, STEPPED BUTT AND OVER-LAPPED BLOCK JOINTS.
D. A. THROCKMORTON H. E. CHRISTENSEN (1973)	LaRC MACH 10 CFHT MODEL TESTED IN TUNNEL WALL Re m^{-1} = 3.3 X 10^6	TURBULENT B.L.; 153 RUNS; THIN SKIN MODEL; BUTT JOINTS WITH INLINE AND STAGGERED GAPS; FLOW ORIENTATION, TILE HEIGHT MISMATCH AND GAP WIDTH VARIED.
C. B. JOHNSON (1972)	LaRC MACH 8 VDT, MODEL IN TUNNEL WALL AND FREE STREAM $1.1X10^6 <$ Re $m^{-1} < 40X10^6$	LAMINAR AND TURBULENT B.L.; THIN SKIN MODELS; INLINE AND STAGGERED BUTT JOINTS.
W. K. LOCKMAN C. B. BLUMER (1973)	AMES 3.5 FOOT HWT FREE STREAM MODEL $5.0 \leq M < 5.2$ $1X10^6 <$ Re $m^{-1} < 4.6X10^6$	LAMINAR, TRANSITIONAL AND TURBULENT B. L.; 71 RUNS; FLAT PLATE THIN SKIN MODEL; INLINE, TRANSVERSE AND SWEPT BUTT JOINTS.

Figure 1.0-1

2.0 NASA-JSC CHANNEL NOZZLE TESTS OF HCF GAP MODELS

Thirteen gap models were tested at as many as four gap settings each to determine convective heating in the gaps between tiles. Analysis at thirty six gap locations is contained in Volume I. The associated model data and test results are contained in this Section. The test matrix and tunnel characteristics are discussed first. This is followed by descriptions of each model (including test fixtures and adapters fabricated to hold the tile sets). Section 2.2 contains x-rays of each tile and Section 2.3 contains photographs of tile sets. Measured thermal responses of the tiles are contained in Section 2.4. Section 2.5 contains the description of terms used in the tabulation of test results. Section 2.6 contains the data tabulation of heating distributions obtained by the inverse solution technique. MDAC-E prepared the test models, adapters, etc, planned and supervised the tests. John E. Grimaud and L. P. Murray of NASA-JSC were responsible for tunnel operation and transmitting test results to MDAC-E. The cooperation and innovative ideas of all NASA personnel associated with this project were excellant enabling large body of definative test data to be assembled. The information contained in this section is presented in "English" units because hardware design and raw data used that system of units.

The Arc Tunnel tests were performed in the NASA-JSC 10 MW facility shown in Figure 2.0-1. This view of the facility shows the Channel Nozzle and the sting for wedge tests. The Arc Tunnel Tests at NASA-JSC were performed in a channel nozzle because a more uniform heating distribution is produced on the panel than could be obtained with a wedge configuration. Figure 2.0-2 shows photos of the model adapter, instrumentation, joint model and calibration plate used during these tests.

Analysis of test data from candidate joint designs and tile thicknesses was performed for tests as seen in Figure 2.0-3. Analyses of these data are presented in Volume I. The data were received on magnetic tapes in the form of temperature responses from thermocouples situated at locations shown on Figure 2.0-4. An inverse solution technique which uses these measured temperature histories as boundary conditions was used to determine convective heat fluxes to the faces of the RSI joints. Tile arrangement in the test fixture and a schematic showing position in the tunnel can also be seen in the above figure.

Prior to testing, facility calibration runs were performed to determine the heat flux uniformity on the wall of the channel nozzle. The channel nozzle was constructed with a 12 x 12 inch opening on each side of the nozzle, one for the test model and the other for a calibration plate. The calibration plate was fit with nine heat flux calorimeters and six pressure ports. Heat flux measurements

NASA-JSC 10MW ARC TUNNEL

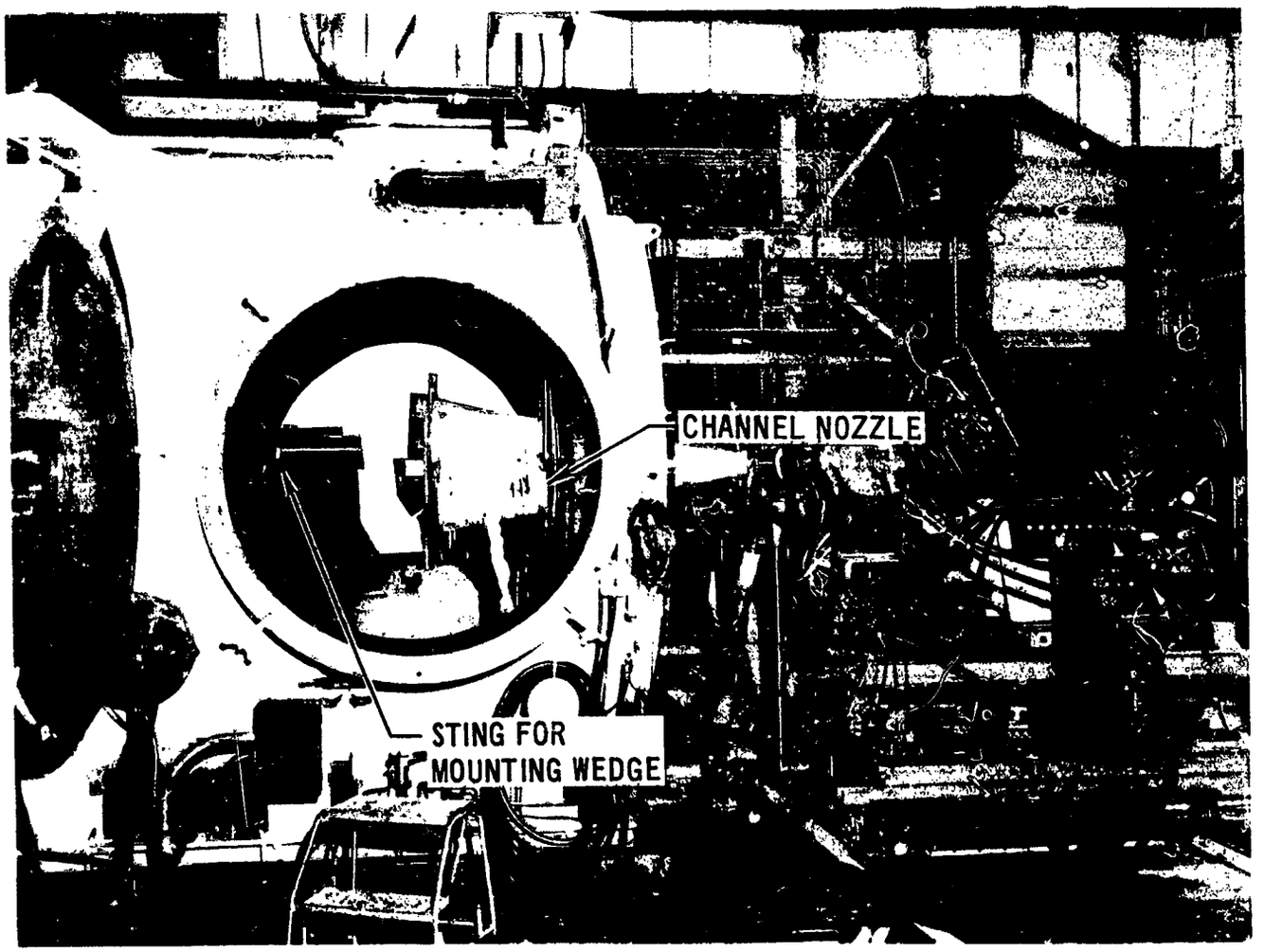


Figure 2.0-1

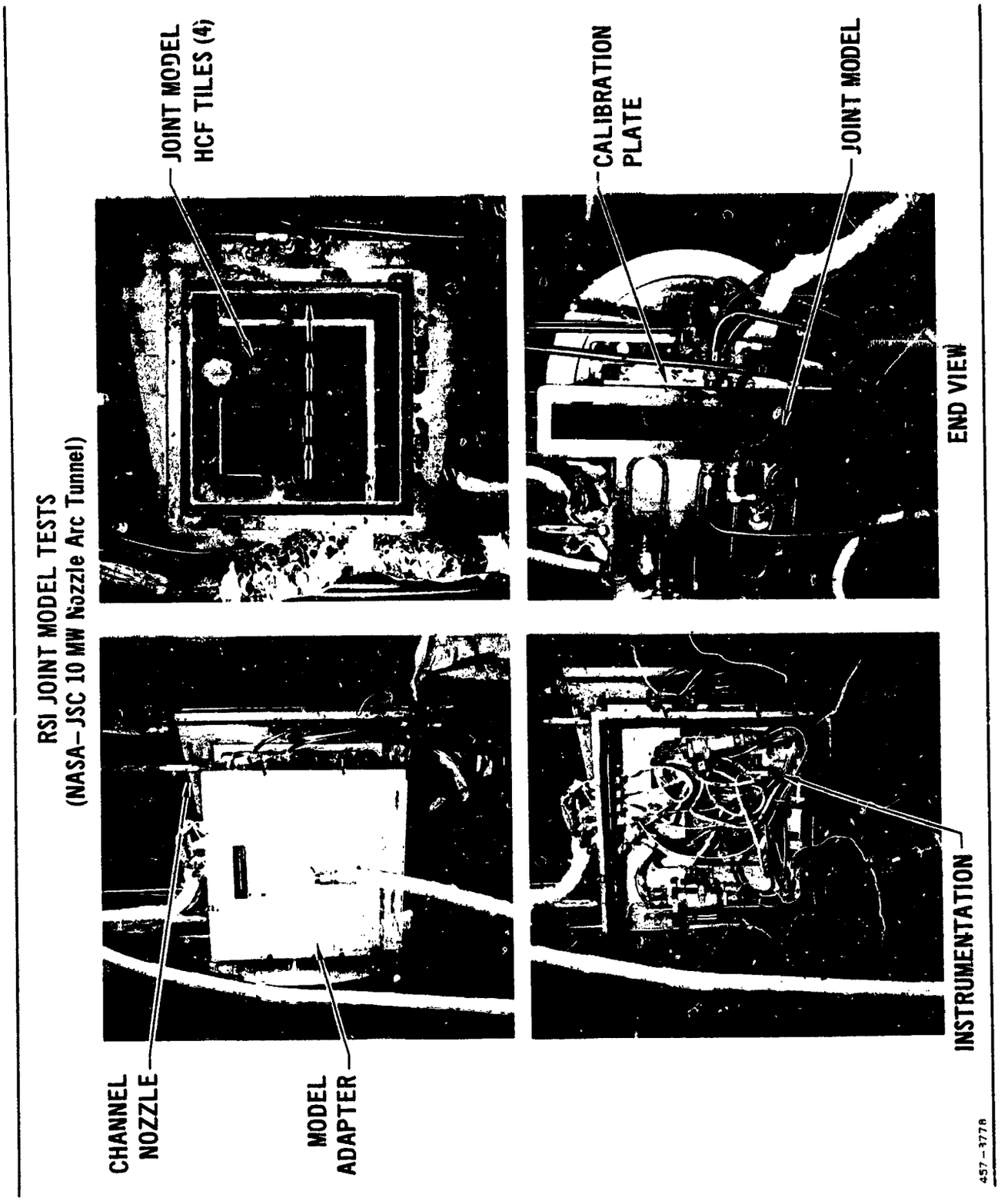

RSI JOINT MODEL TESTS
(NASA–JSC 10 MW Nozzle Arc Tunnel)
JOINT MODEL HCF TILES (4)
CALIBRATION PLATE
JOINT MODEL
END VIEW
CHANNEL NOZZLE
MODEL ADAPTER
INSTRUMENTATION
457-3778

Figure 2.0-2

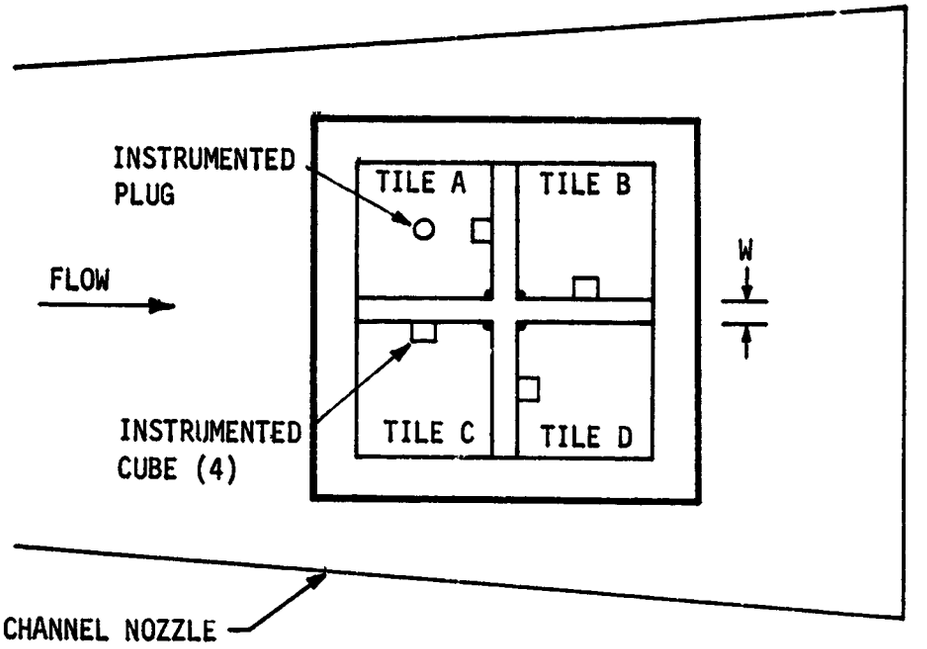
HCF VARIABLE GAP MODELS ANALYZED FROM TESTS
PERFORMED IN THE CHANNEL NOZZLE AT NASA-JSC 10 MW ARC TUNNEL

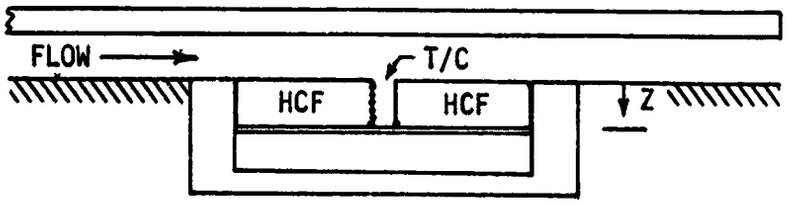
TEST NO.	RUN NO.	JOINT TYPE	TILE THICKNESS (INCH)	GAP WIDTH (INCH)
S275IA	27507	BUTT	2.5	0.05
S276IA	27608	↓	↓	0.10
S277IA	27707	↓	↓	0.15
S278IA	278	↓	↓	0.30
S279IA	279	↓	2.0	0.05
S280IA	28007	↓	↓	0.10
S281IA	28108	↓	↓	0.15
S282IA	28208	↓	↓	0.30
S283IA	28307	↓	1.25	0.05
S284IA	28408	↓	↓	0.10
S285IA	285	↓	↓	0.15
S286IA	28509	↓	↓	0.30
S287IA	28707	BUTT WITH FWD.	2.0	0.05
S288IA	28809	FACING STEP	↓	0.10
S289IA	28910	↓	↓	0.15
S290IA	290	↓	↓	0.30
S312IA	31209	INCLINED	2.5	0.05
S313IA	31310	↓	↓	0.10
S314IA	31411	↓	↓	0.15
S315IA	31507	↓	↓	0.30

*HCF is McDonnell Douglas designation of reusable surface insulation fabricated from Mullite fibers. For a further description of HCF refer to Reference (a) and (b).

Figure 2.0-3

MODEL INSTRUMENTATION LOCATION IN THE NASA JSC
10 MW CHANNEL NOZZLE TESTS





TILE	T/C	
A	2-7	TRANSVERSE GAP — UPSTREAM WALL
A	8-12	INSTRUMENTED PLUG
B	14-19	IN-LINE GAP - DOWNSTREAM OF TRANS. GAP
C	21-26	IN-LINE GAP - UPSTREAM OF TRANS. GAP
D	28-33	TRANSVERSE GAP - DOWNSTREAM WALL
A,B,C,D	1,13,20,27	BONDLINE - INTERSECTION OF TILES

Figure 2.0-4

were made at several operating conditions and typical results are shown in Figure 2.0-5. Heating was fairly uniform with higher heating along the center of the plate than at the edges. As expected for a laminar flow, heating decreased with distance along the plate. Pressure measurements showed slightly decreasing pressure in the direction of flow. The calibration plate was used during each test to record the heating and pressure environment in the channel nozzle. The flow in the channel nozzle was supersonic (Mach 5), with a 0.25 inch thick boundary layer and an air plasma enthalpy of 3600 to 9800 Btu/LB_m depending on operating conditions.

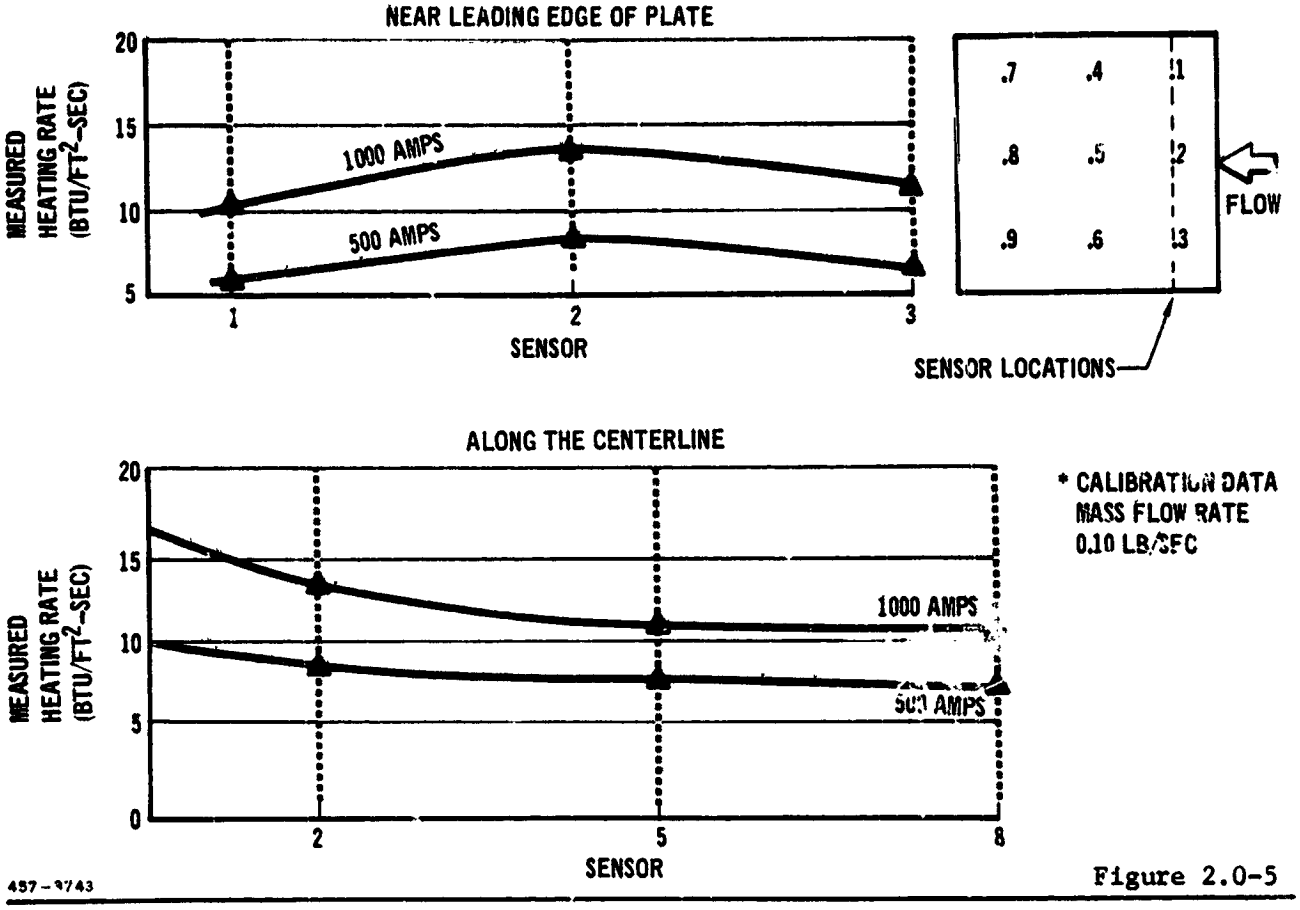
The high cross range shuttle orbiter A2P entry heating rate-time history was simulated in the channel nozzle for each test run. Both air and argon test gases were used to achieve the entry heating simulation. The portions of the entry temperature profile below 1600°F during heat up and cool down were obtained using argon, which has a lower ionization temperature than air. At a tile surface temperature of 1600°F the test gas was switched to air to continue heating to 2300°F. Continuous operation of the Arc tunnel was thereby achieved for the entire mission simulation. Another innovation used by NASA for this test program was programmed Arc heater operation. Repeatability of test conditions was achieved using a "Data Trak" controller which followed a derived Arc heater input-time curve.

The control curve was derived by:

- Establishing test points along the entry heating rate history.
- Obtaining Arc tunnel calibration parameters to achieve each test point.
- Deriving an Arc heater current-time curve (Figure 2.0-6) from the test point calibrations to achieve the entry heating and to check out the tunnel operation using the "Data Trak" controller.

Resulting temperature histories for the 2.0 inch butt joint model are shown in Figure 2.0-7. Smooth surface temperature control was achieved and this figure is typical for all test runs. Temperature responses for other joints are contained in Section 2.4.

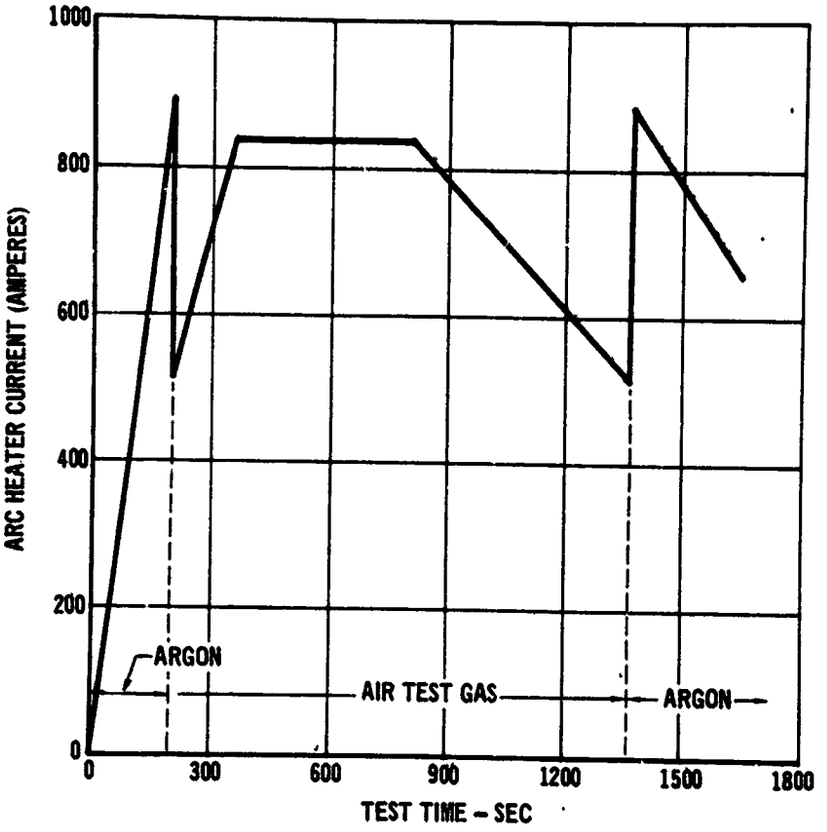
12" x 12" CHANNEL NOZZLE HEATING RATE DISTRIBUTION
(JSC 10 MW Facility)



457-3743

Figure 2.0-5

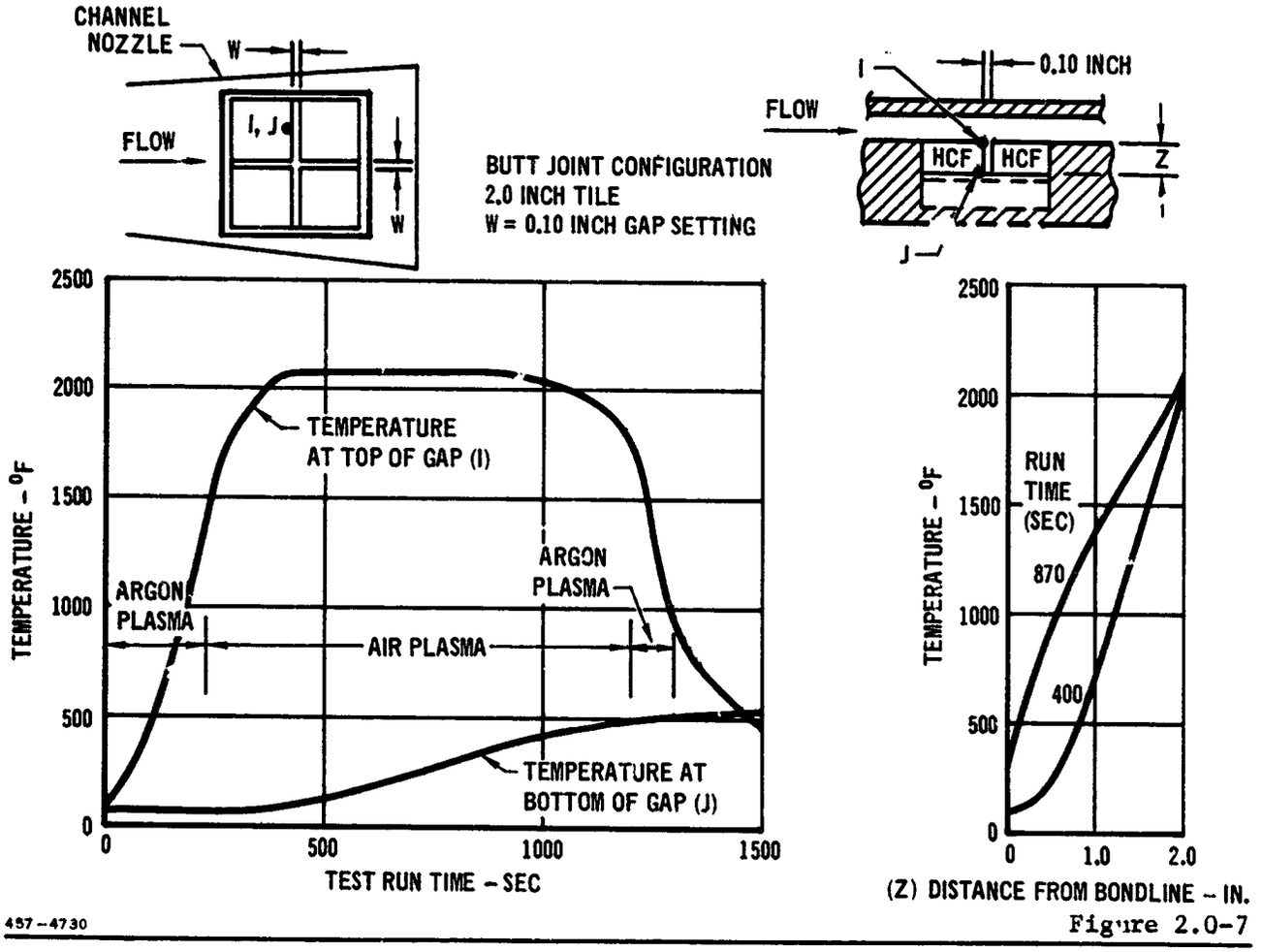
ARC HEATER CURRENT PROFILE FOR AREA 2P ENTRY SIMULATION
JSC – 10 Mw ARC Tunnel



457-4726

Figure 2.0-6

MEASURED TEMPERATURE OF HCF/JOINT MODEL IN JSC 10 Mw ARC TUNNEL



457-4730

Figure 2.0-7

2.1 MODEL DESCRIPTION

2.1 MODEL DESCRIPTION

A series of joint models was fabricated for performing comparative tests in the channel nozzle at the NASA-JSC 10 MW Arc Heated Tunnel. The models were heavily instrumented and the features of the model design are listed in Figure 2.1-1.

Testing was performed using four gap settings (0.05, 0.10, 0.15, and 0.30 inches) with tile thickness from 1.25 to 2.50 inches to obtain basic heating data. The configurations analyzed were the butt joint, inclined joint, and butt joint with forward facing step (0.15 inch).

A description of each joint segment follows:

a) butt joint - has a near vertical RSI edge with a small taper progressing from the bondline to the top surface (also referred to as "tapered butt").

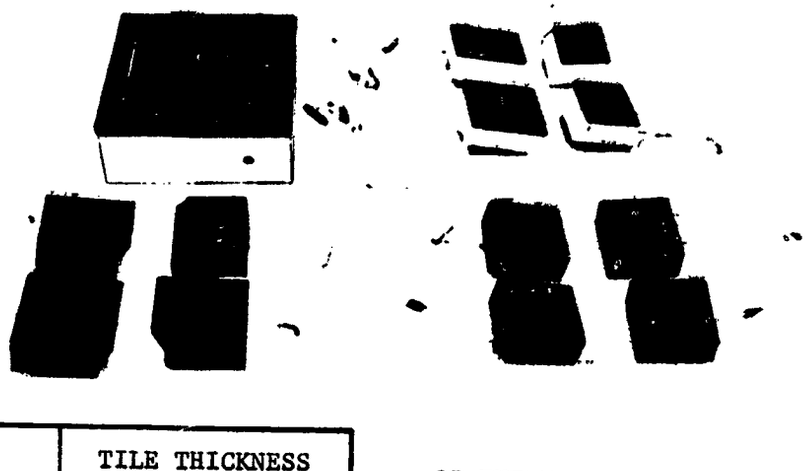
b) inclined joint - having RSI edge surfaces mating at an angle from the vertical, and also having a small taper.

c) butt step - butt joint with a forward facing step formed by a surface mismatch at the transverse gap.

The components of the joint segments are shown in Figure 2.1-2. Each of the four tiles is bonded with Dow Corning RTV-3145 adhesive to a 0.050 inch thick titanium mounting plate. Six thermocouples are installed in instrumentation cubes such that the thermocouple junction is located on the surface of the gap. In later assembled models, the technique for installing surface thermocouples was improved eliminating the instrumentation cubes. A schematic of the instrumentation in a tile set is shown in Figure 2.1-3. One tile contains an instrumented plug at its center, and each tile contains a thermocouple at the bondline in the joint area. Eight PT/PT-10% Rh thermocouples and twenty five chromel/alumel thermocouples were installed in each set of tiles. The 30 gage thermocouple wires are routed to the back of the tile through the adhesive layer to the sides of the mounting plate where the wires were bundled and provided with a quick disconnect plug.

A joint test container, Figure 2.1-4, was housed on an adapter that was fabricated for the nozzle. Sets of four tiles were designed to be interchangeable within this test container which contains a gap setting mechanism (Figure 2.1-5). The container was designed so that the gaps could be reset between tunnel runs without removing the joint test fixture from the Arc Tunnel facility. The bottom view of the joint assembly container is shown on Figure 2.1-6.

MODELS FOR ARC TUNNEL TESTS OF JOINTS AND GAPS
(30.5 x 30.5 CM Test Fixture)



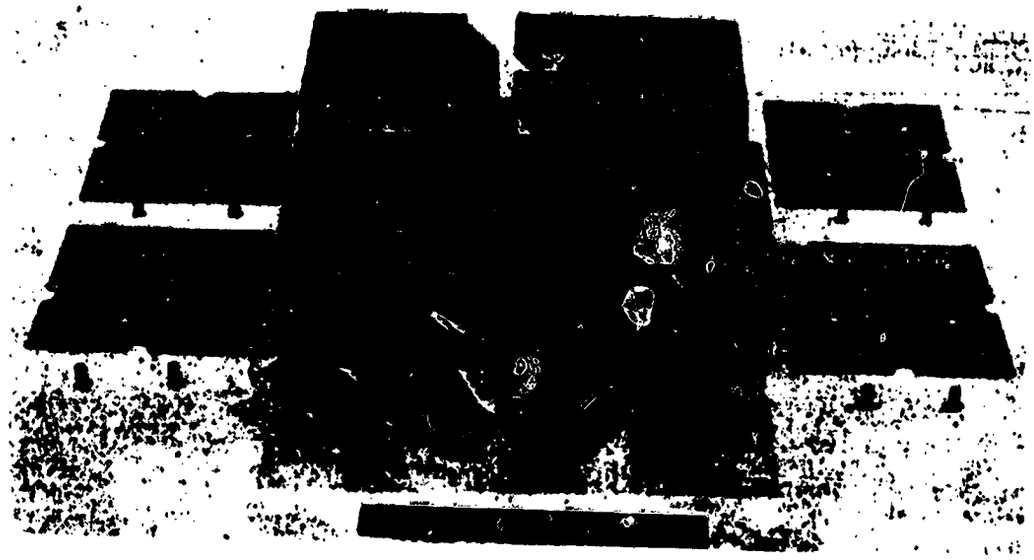
JOINT		TILE THICKNESS		
	INCH	1.25	2.00	2.50
	CM	3.17	5.08	6.35
BUTT		✓	✓	✓
BUTT STEP			+0.15*	
INCLINED TAPERED				✓

*(INCH)

37 THERMOCOUPLES
- 4 SURFACE
- 20 JOINT
- 5 IN-DEPTH
- 4 BONDLINE AT INTERSECTION
- 4 HCF GUARD

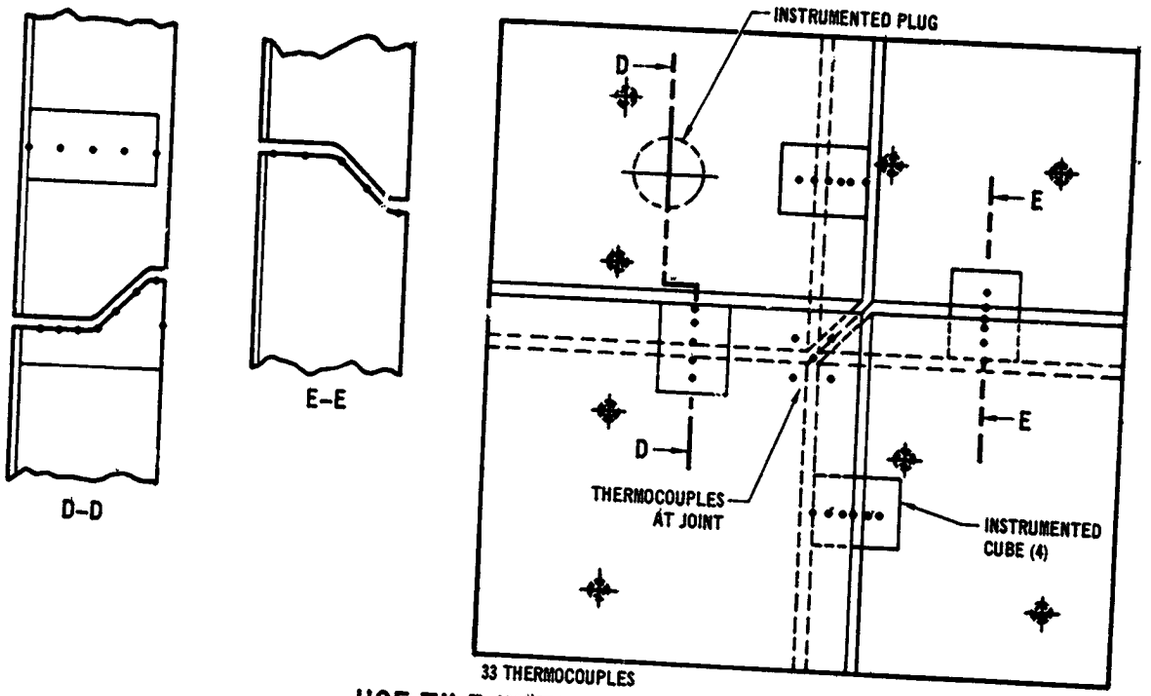
- o JSC 10 Mw ARC HEATED TUNNEL (CHANNEL NOZZLE)
- o GAP SETTINGS EASILY ADJUSTED
- o QUICK DISCONNECTS FOR INSTRUMENTATION

Figure 2.1-1



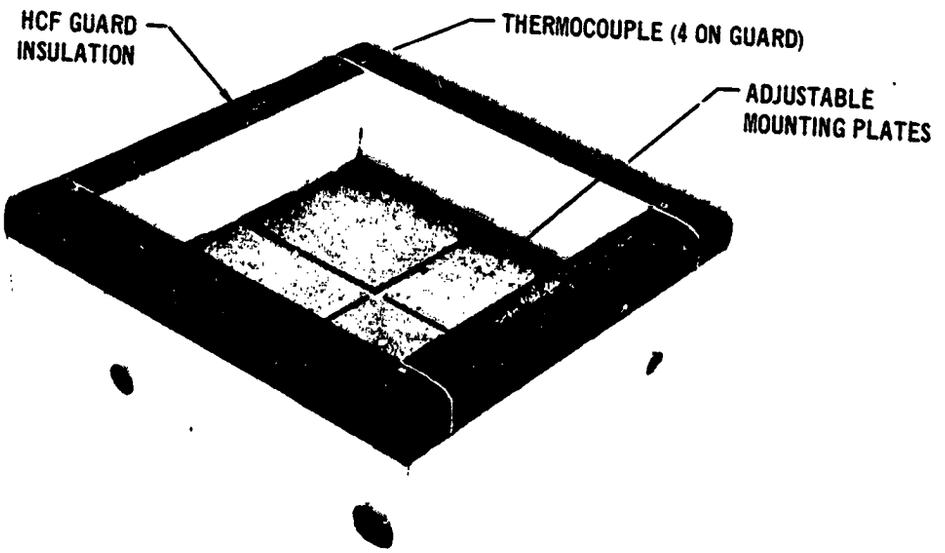
JOINT SEGMENTS, INSTRUMENTATION CUBES AND TI MOUNTING PLATES

Figure 2.1-2



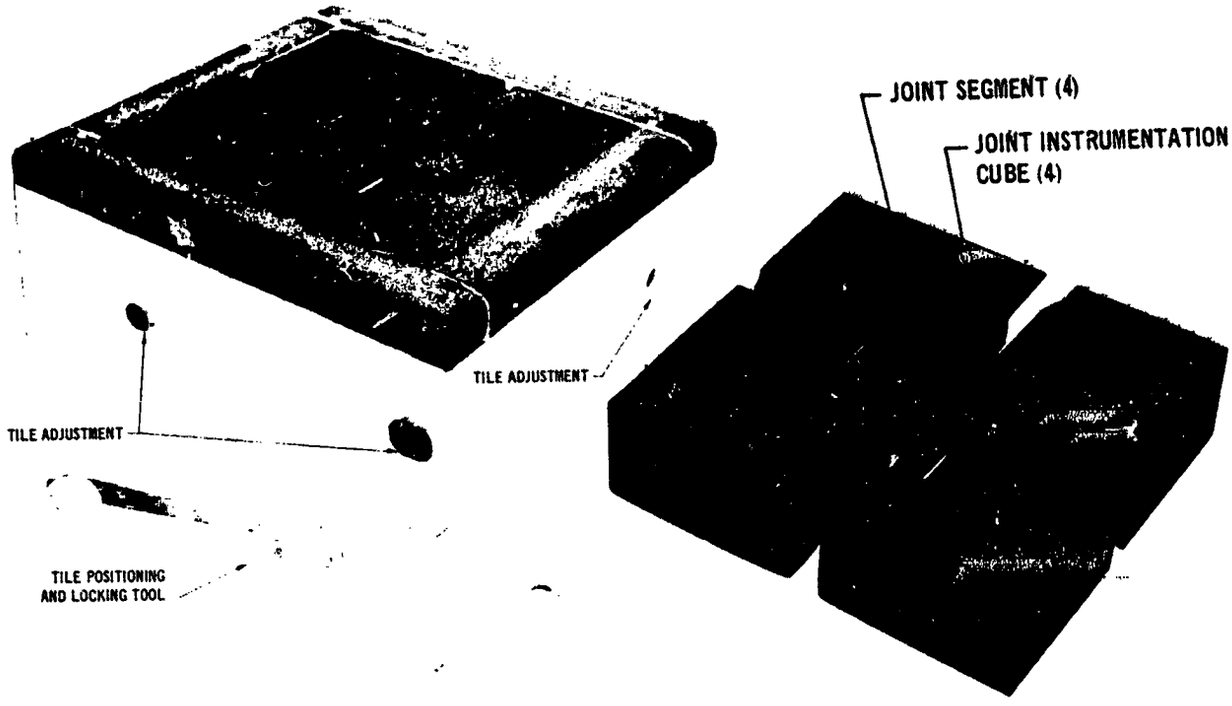
HCF TILE INSTRUMENTATION
Contoured Joint Assembly

Figure 2.1-3



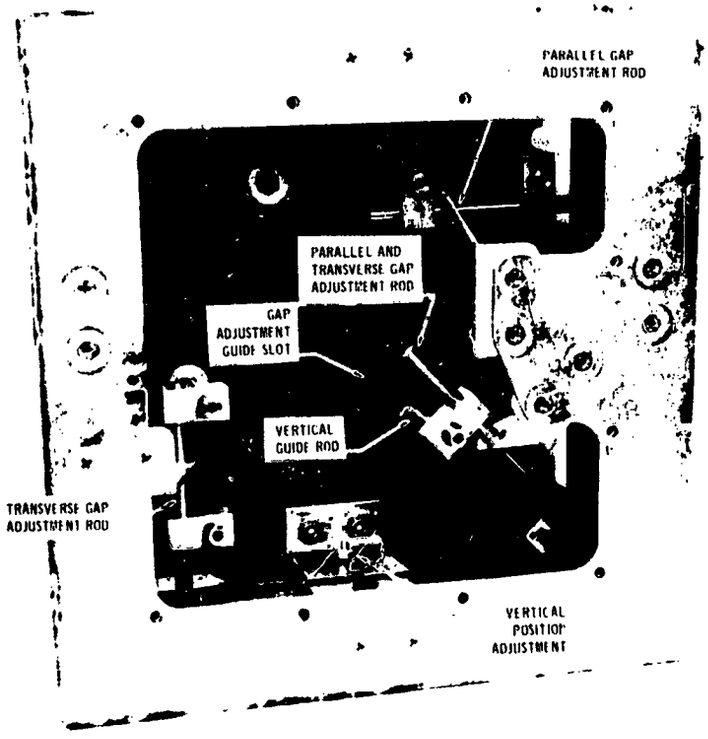
JOINT TEST CONTAINER

Figure 2.1-4



TILES IN JOINT TEST CONTAINER AND ADJUSTMENT TOOLS

Figure 2.1-5



BOTTOM VIEW OF JOINT ASSEMBLY CONTAINER

Figure 2.1-6

The adapter has quick disconnects for thermocouples and pressure transducers (for measuring pressure gradients at the bottom of the joint). Air lines are provided to cool the model to room temperatures between tunnel runs which reduces dead time between cycles.

Sets of HCF tile arrays were designed and fabricated for testing in the NASA-JSC 10 Mw Arc heated tunnel facilities. These tile assemblies were mounted in the channel nozzle as shown in Figure 2.1-7. A water cooled adapter was fabricated and attached to one side of the channel nozzle. The following drawings were prepared or revised to define the various detail parts and assemblies:

a. 70T037002 Mechanism Assembly (Rev A)
b. 70T037003 Container Assembly (Rev B)
c. 70T037026 Plasma Channel Nozzle Cover Assembly
d. 70T037030 Plasma Channel Nozzle, Panel Installation Assembly

The mechanism assembly used to support the HCF tiles was the same unit used during earlier testing using a test wedge configuration. Modifications were required for the channel nozzle tests. Basically this unit consisted of a shallow rectangular, stainless steel, box having a removable cover plate on the bottom, with four tile attachment mechanisms positioned around the interior of the box. The design of the mechanisms allowed the tiles to be repositioned for precisely adjusting the gaps between adjacent tiles without removing the test hardware from the tunnel. The ablative insulation bonded on the sides of the test container was removed for the channel nozzle test configuration. In addition, guard strips of HCF on the top and around the periphery of the box were modified to use mechanical attachment, rather than bonding, to facilitate replacement of guards. The thickness and the height of the guards were increased to allow testing thicker HCF tiles and to mate with the cutout in the channel nozzle. Pressure ports were added to the tile support plates in the gaps between adjacent tiles. All of these modifications, including the initial design are defined in Figures 2.1-8 and 2.1-9.

The design of the adapter (cover assembly) which housed the tile position mechanism assembly, in the opening on the side of channel nozzle is shown in Figure 2.1-10. Figure 2.1-11 is several views of the adapter and Figure 2.1-12 is a view as would be seen by the flow in the channel nozzle. There are four guards surrounding a tile set and, as with the previous test, configurations and

SIDE VIEW OF JSC CHANNEL NOZZLE WITH MDAC-E RSI JOINT CONTAINER AND ADAPTOR

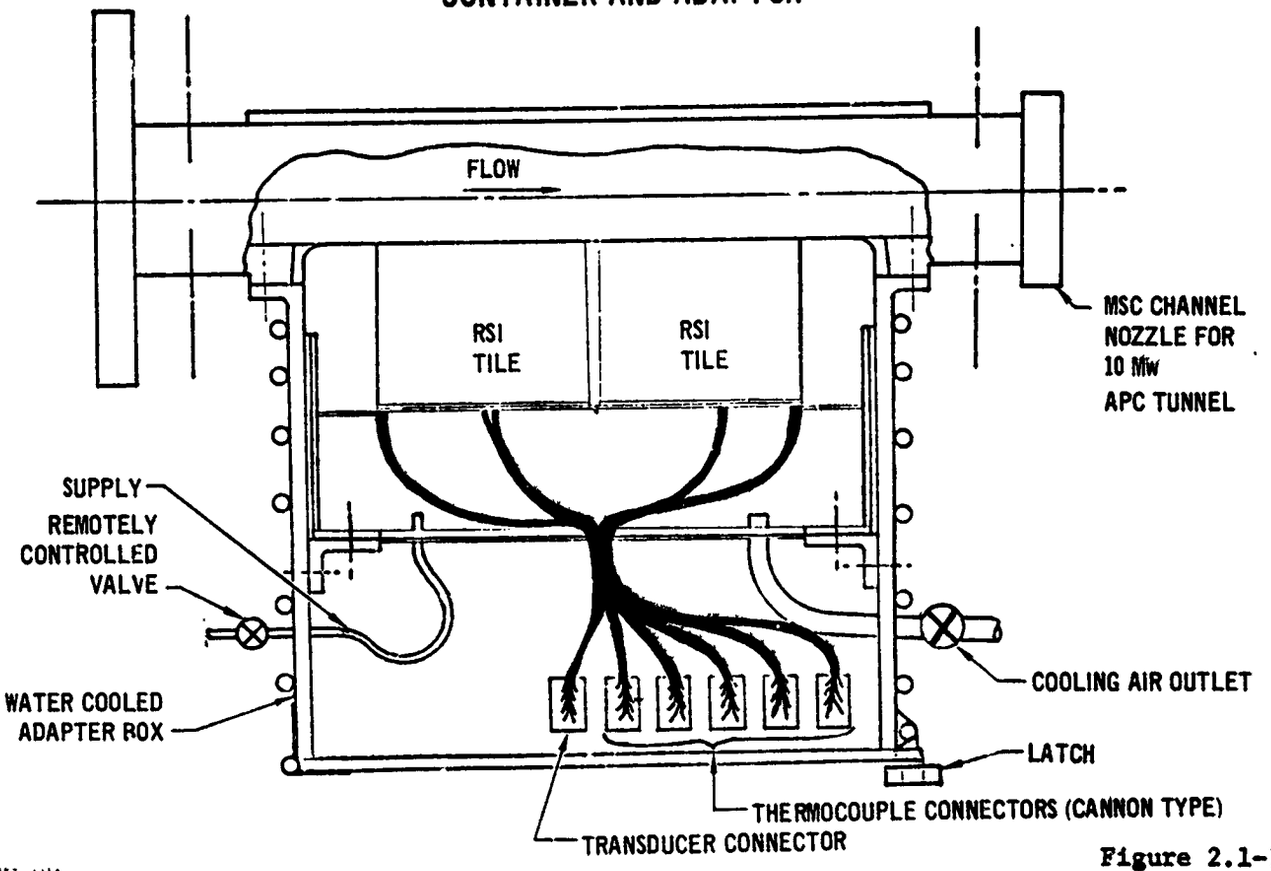
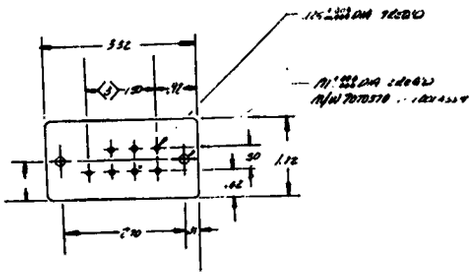


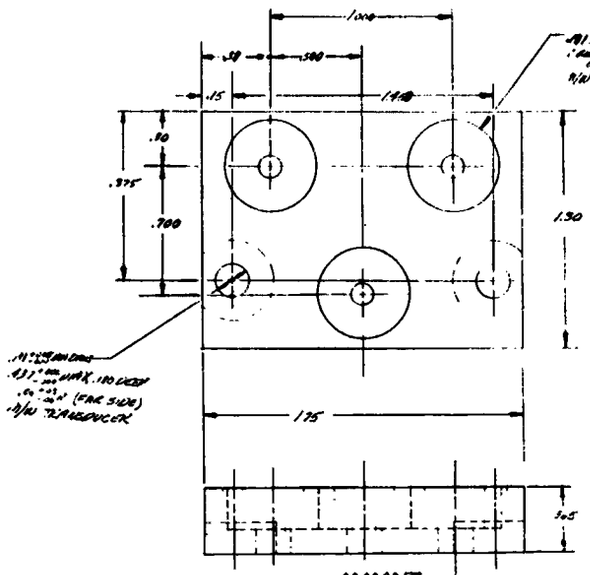
Figure 2.1-7

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

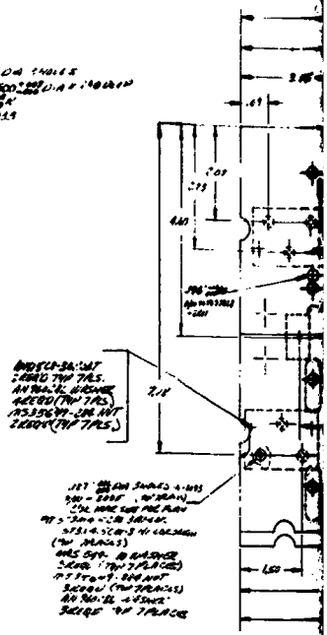
MECHANISM ASSEMBLY

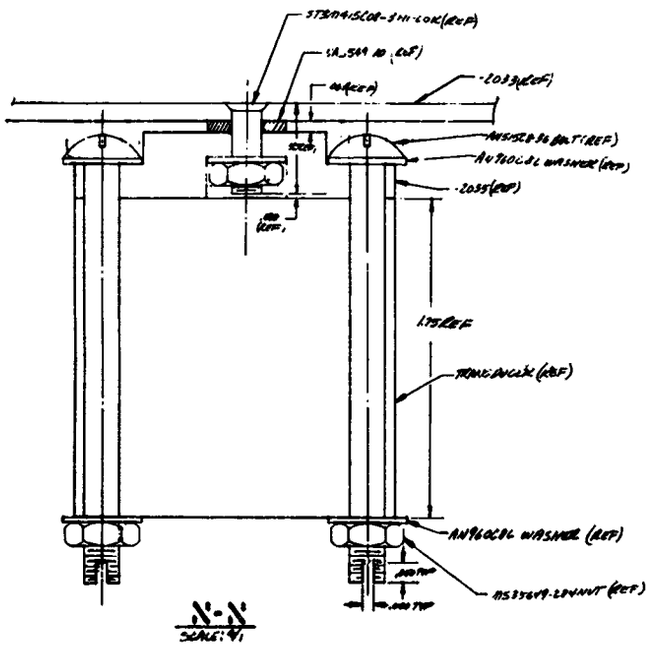
FOLDOUT FRAME



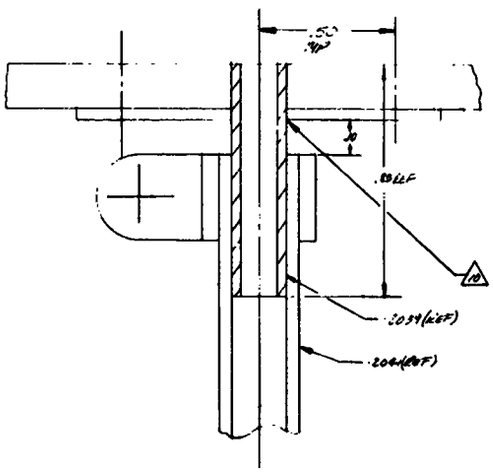


-2035 DETAIL
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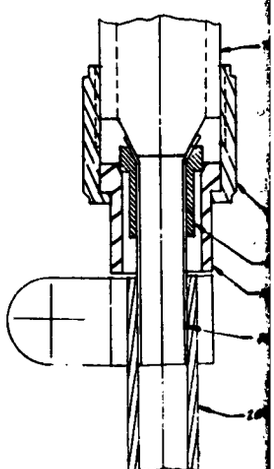




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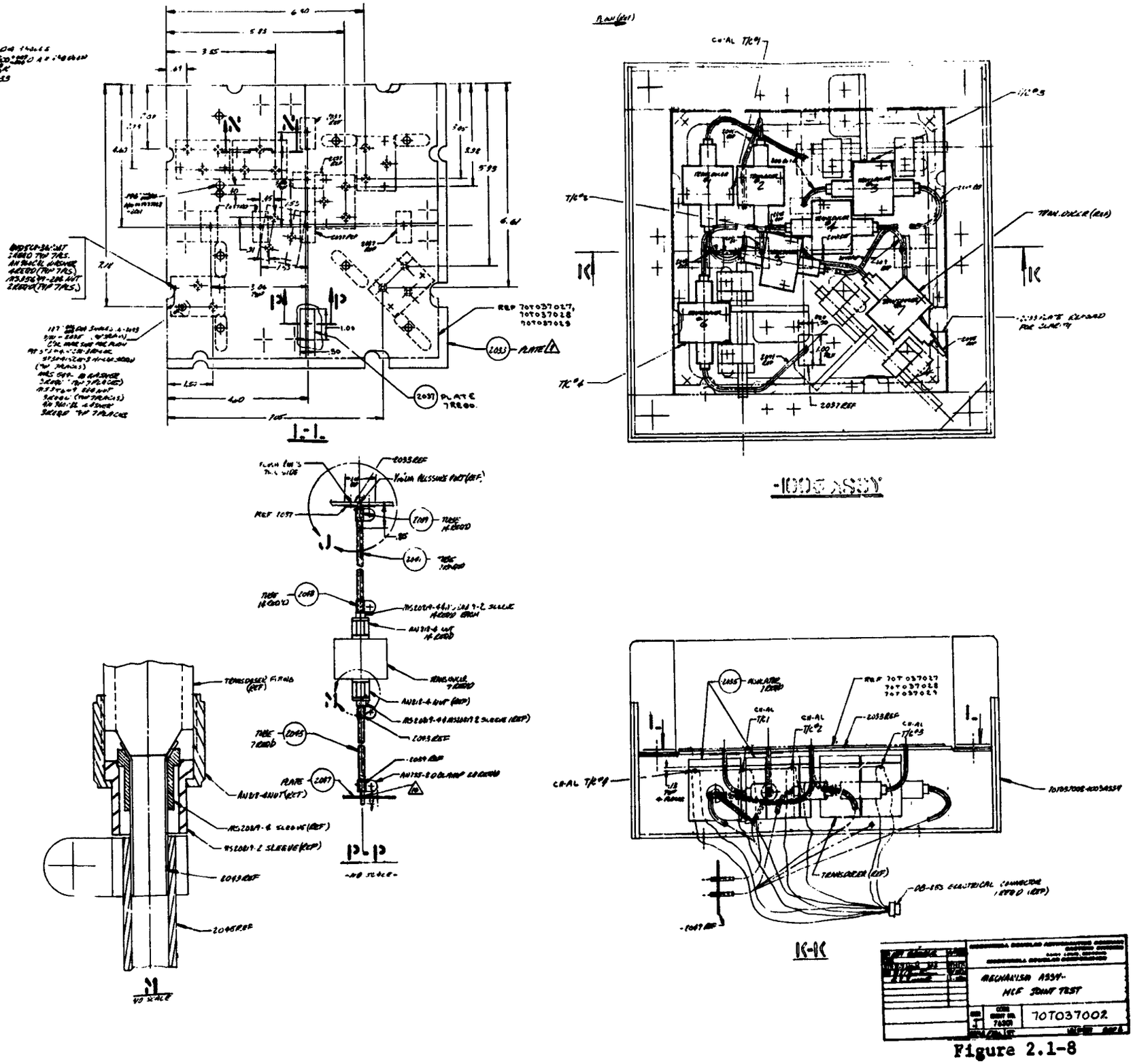
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457-3749

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

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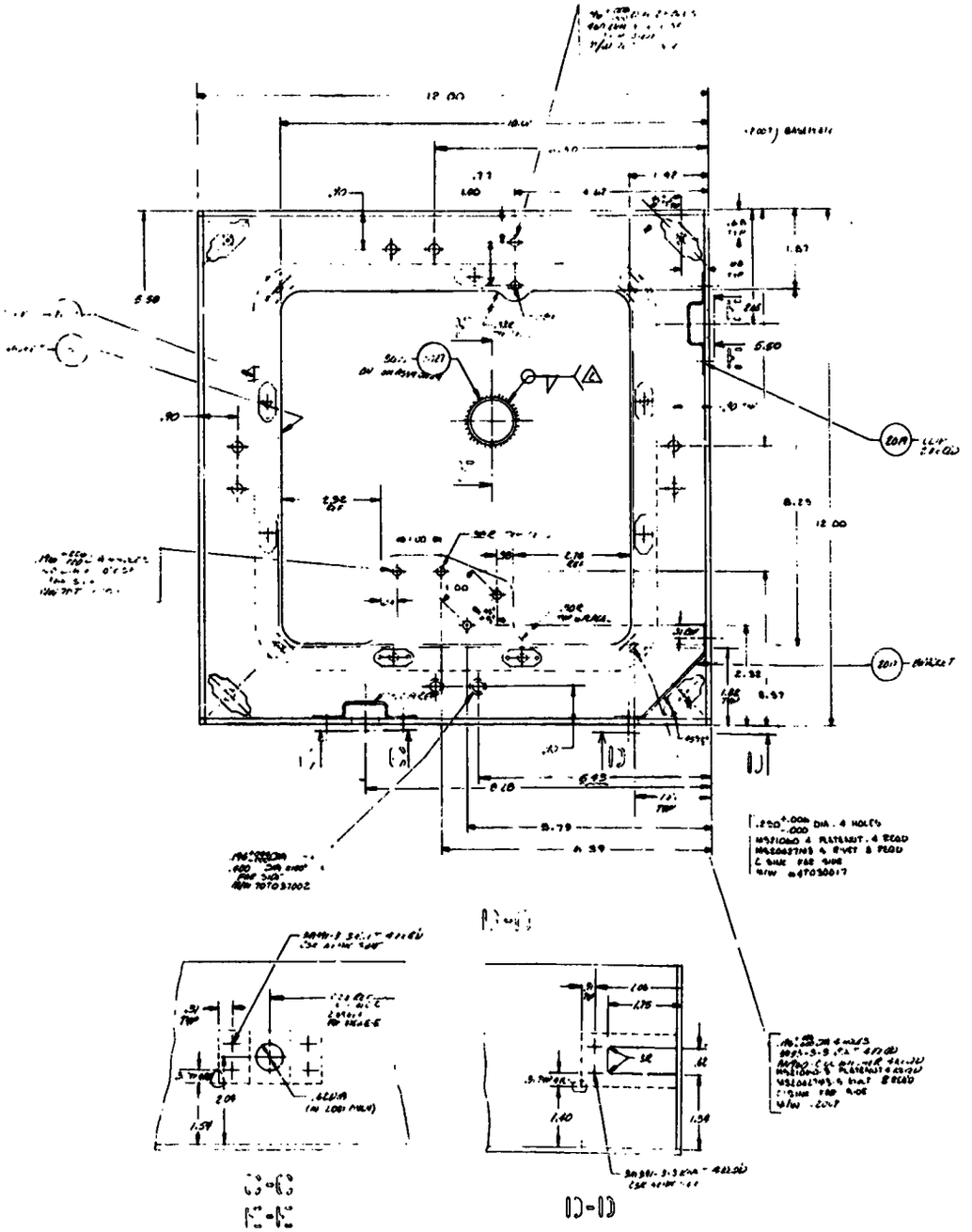


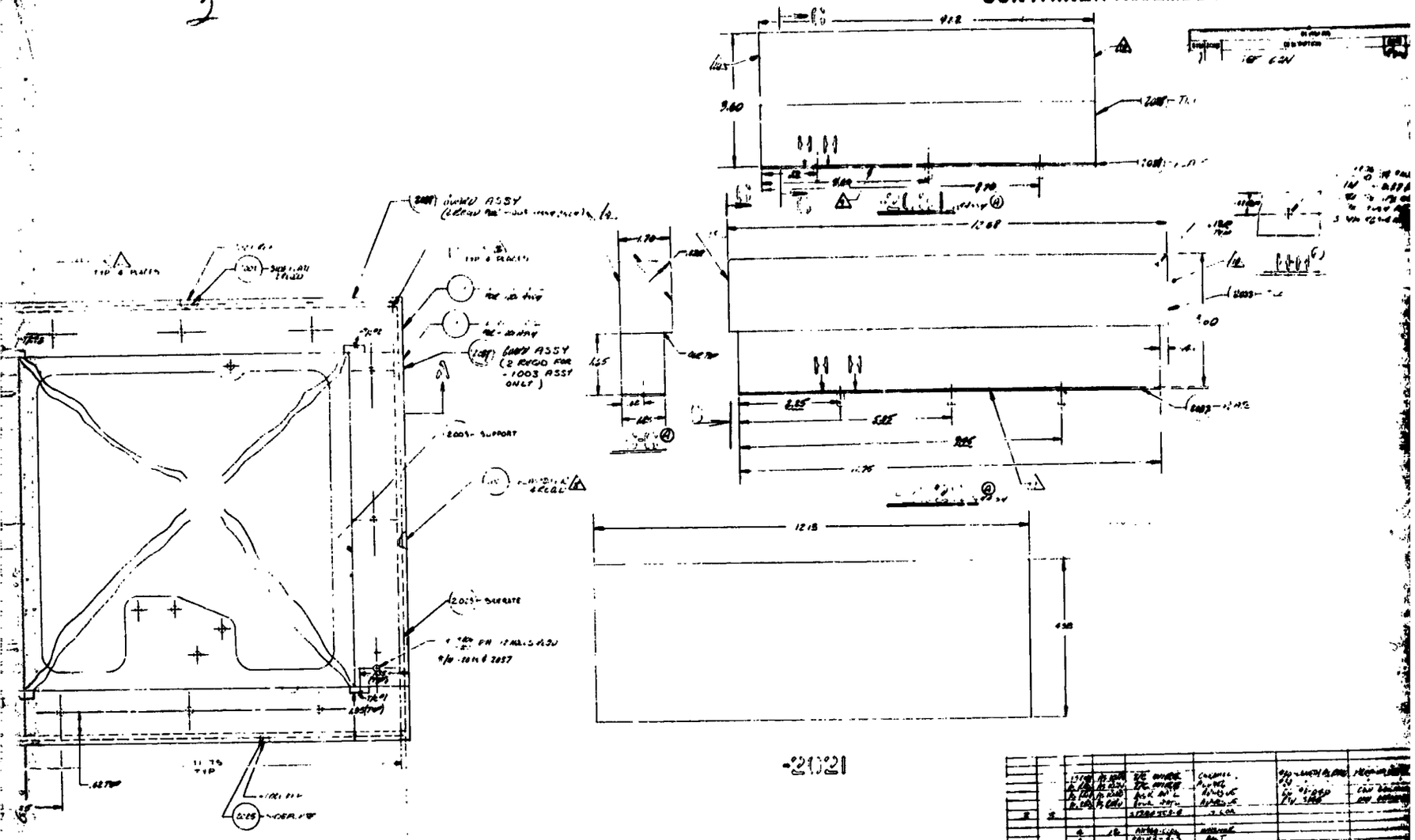
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		70T037002

Figure 2.1-8

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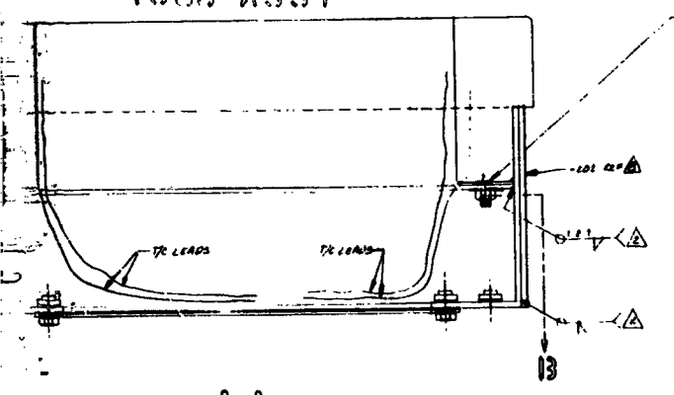
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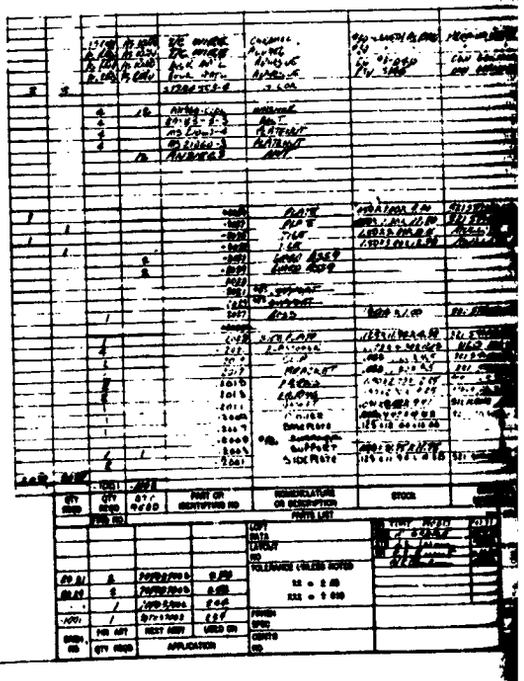


-21021

-1001 ASSY
-1003 ASSY



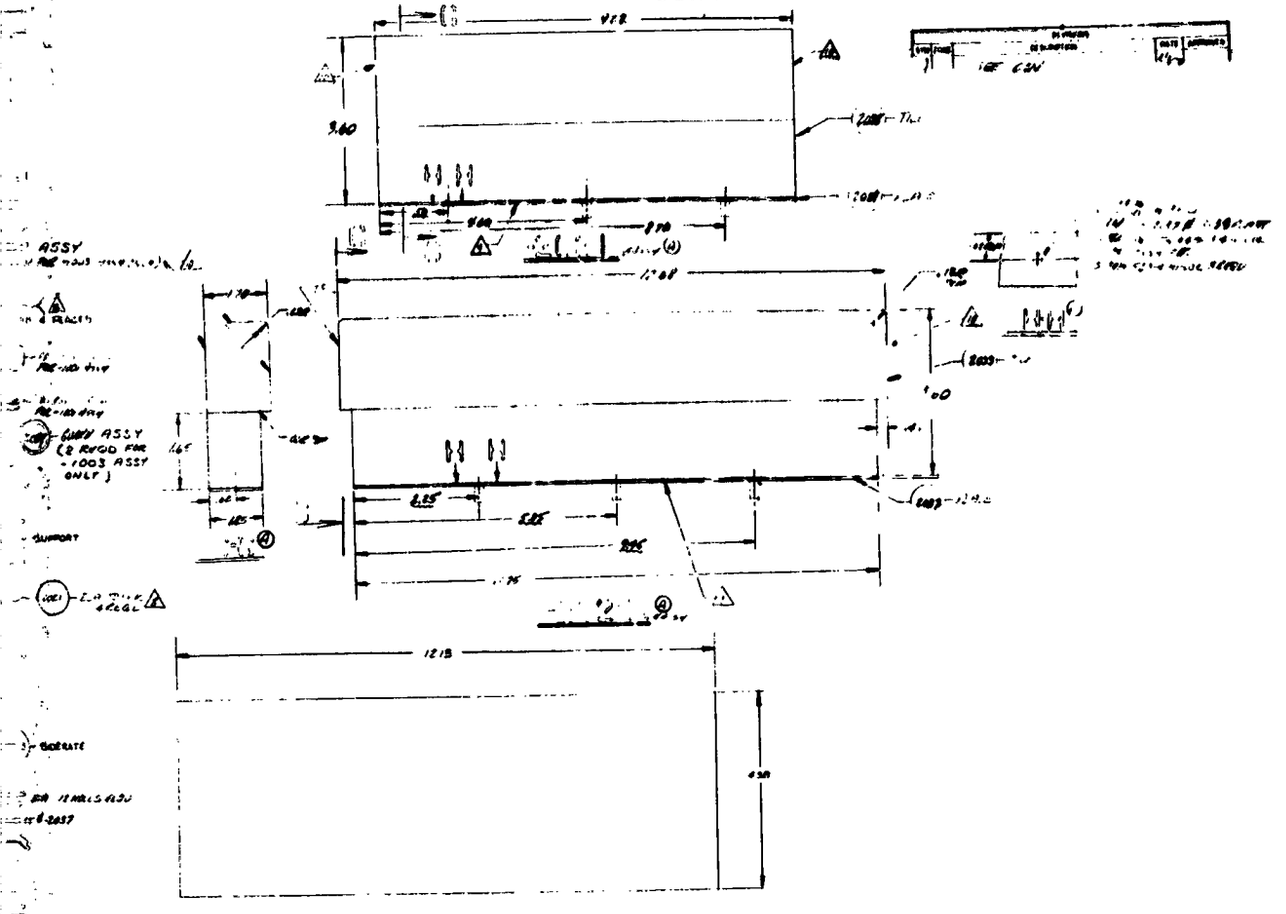
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CONTAINER ASSEMBLY



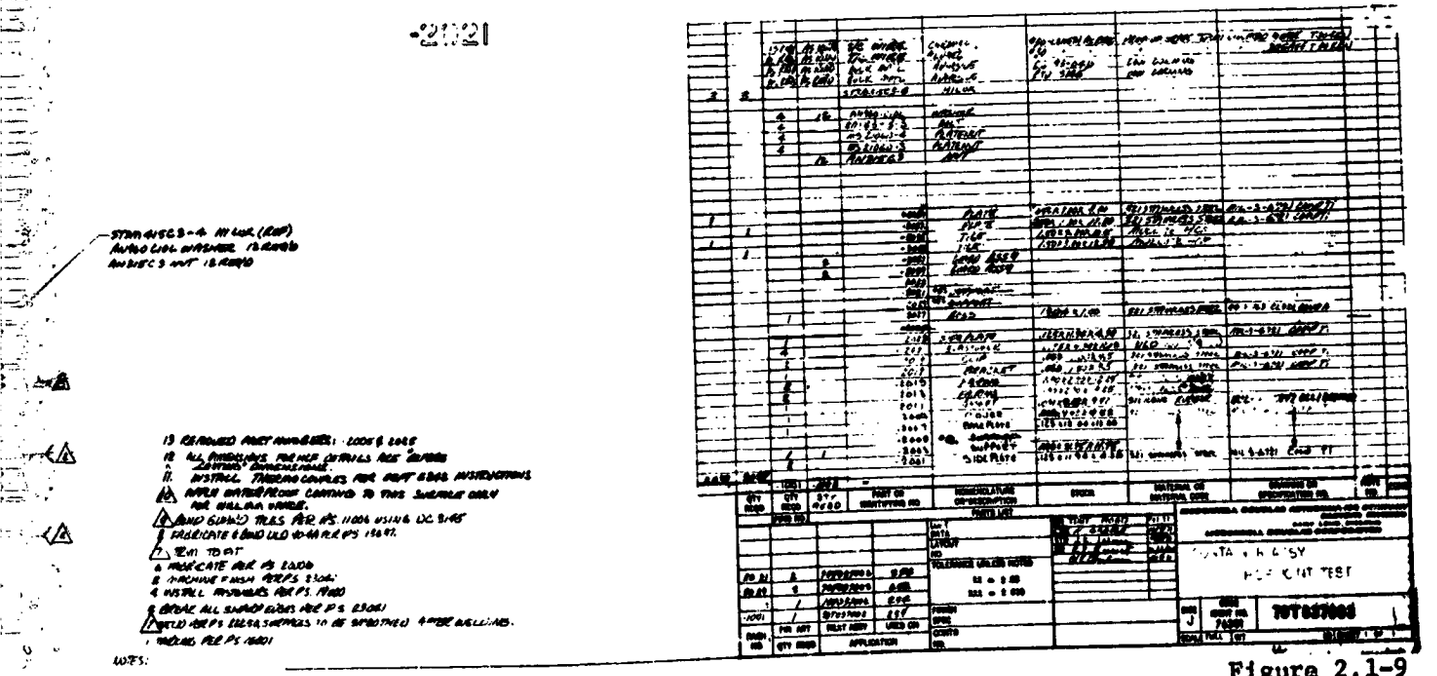
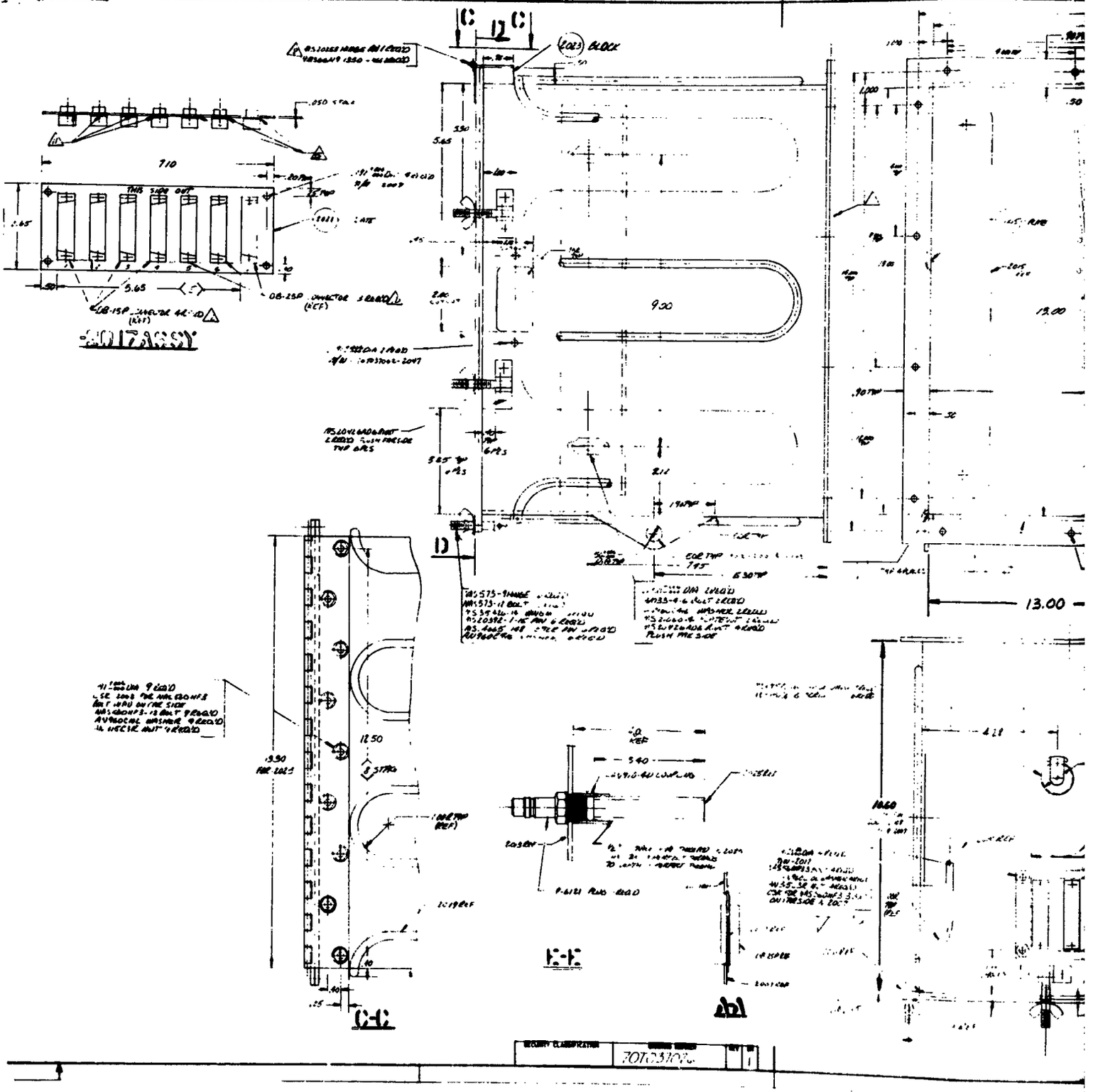


Figure 2.1-9

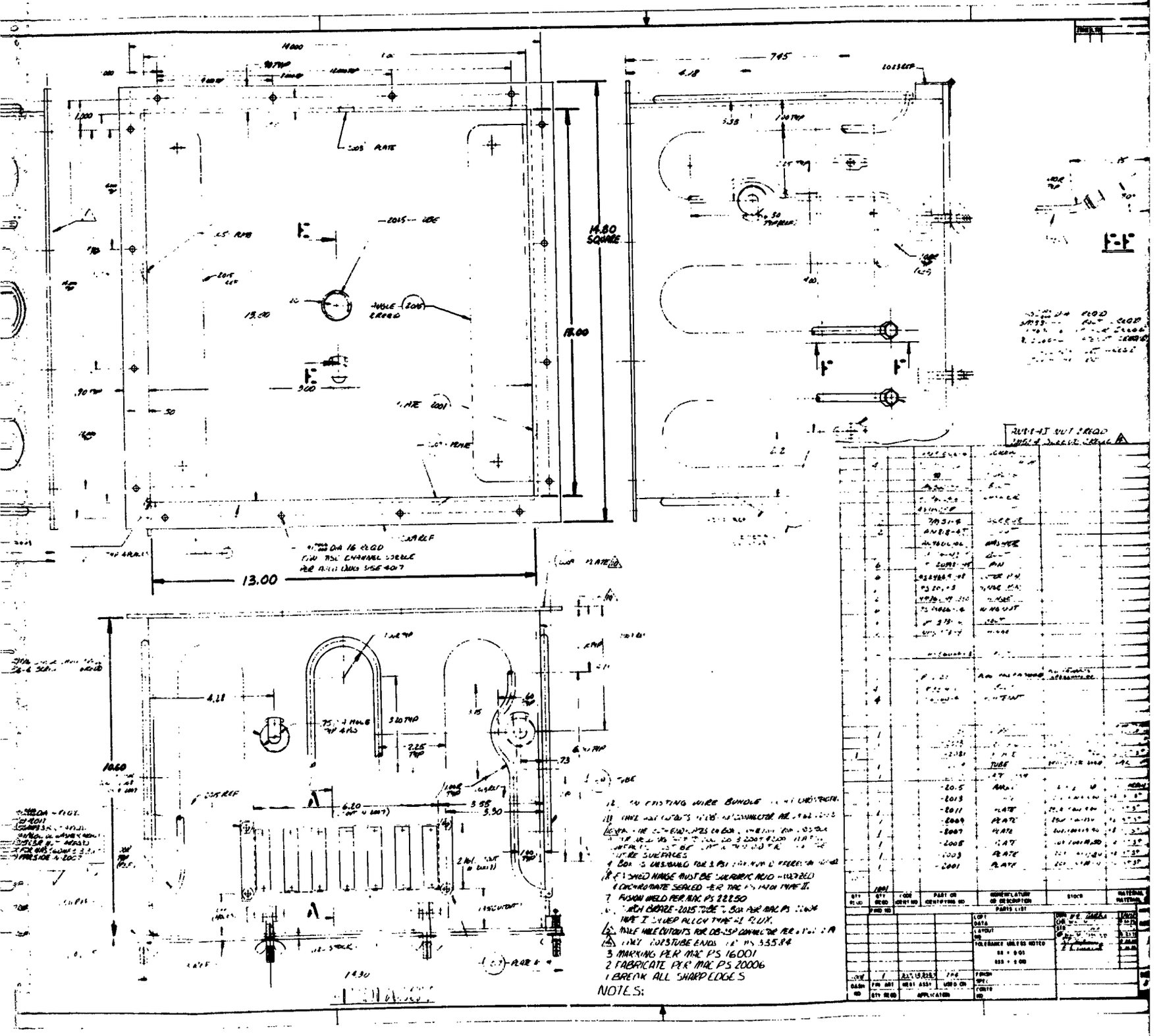
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PLASMA CHANNEL NOZZLE COVER ASSEMBLY

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FOLDOUT FRAME

3

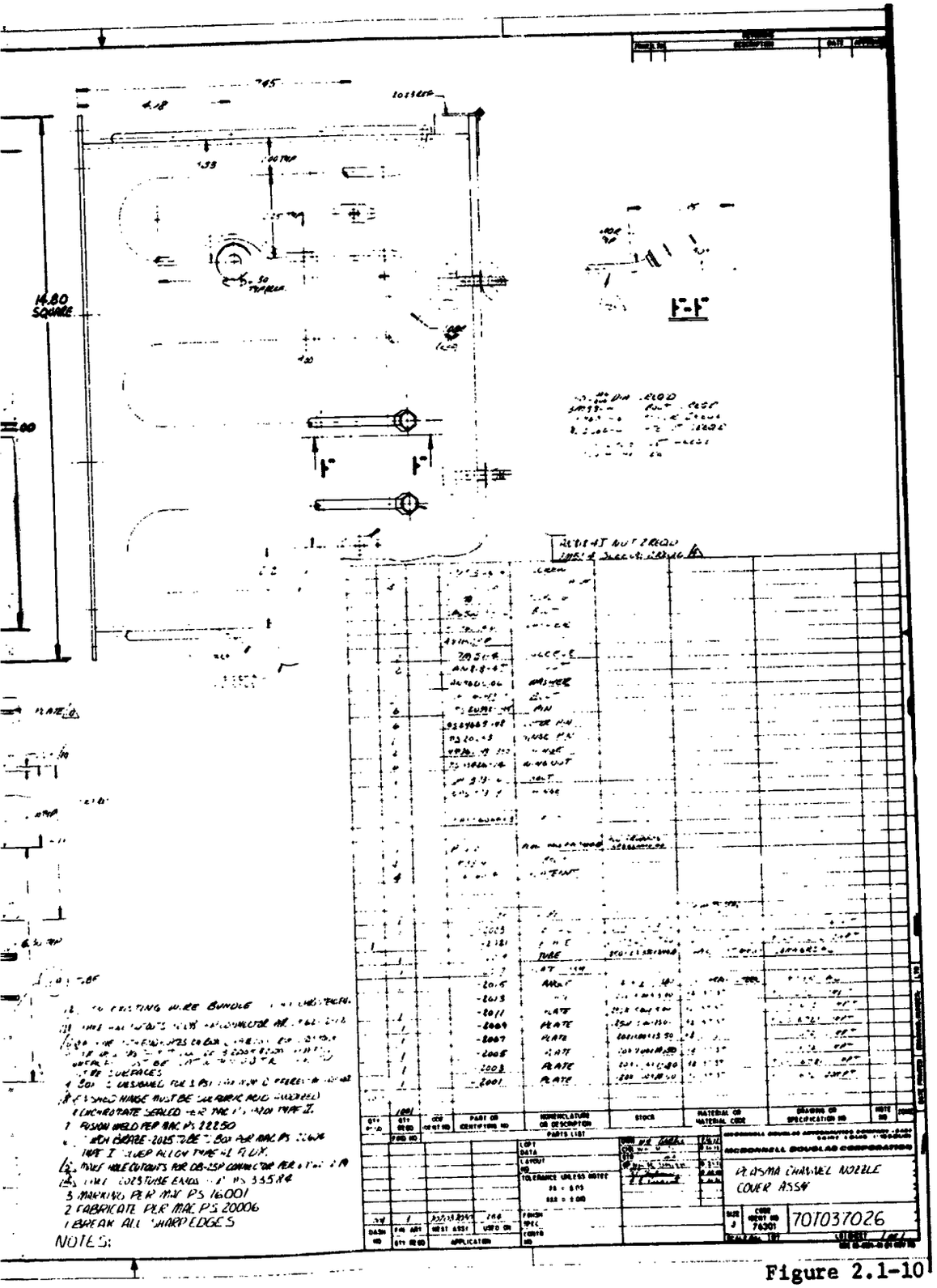


Figure 2.1-10

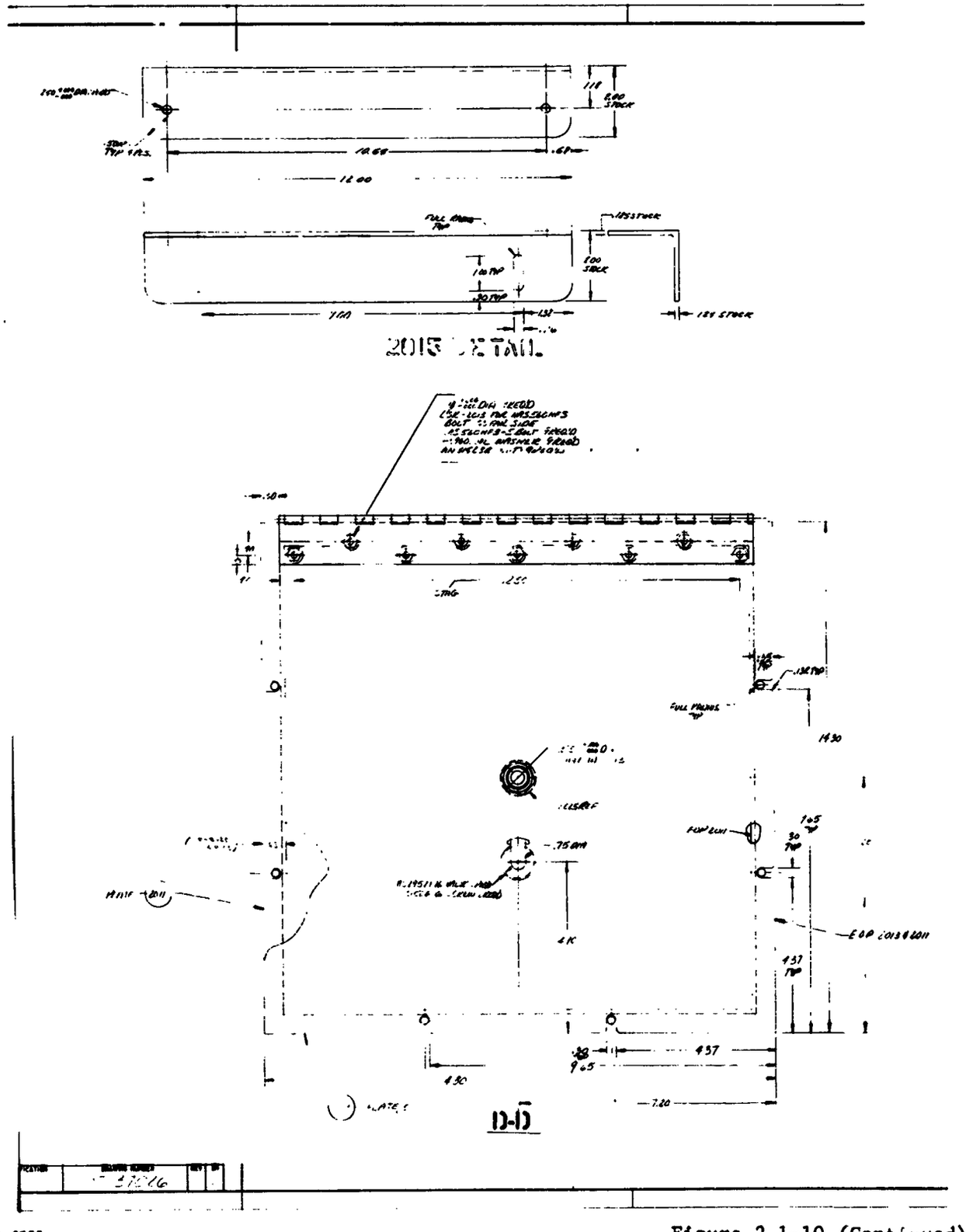
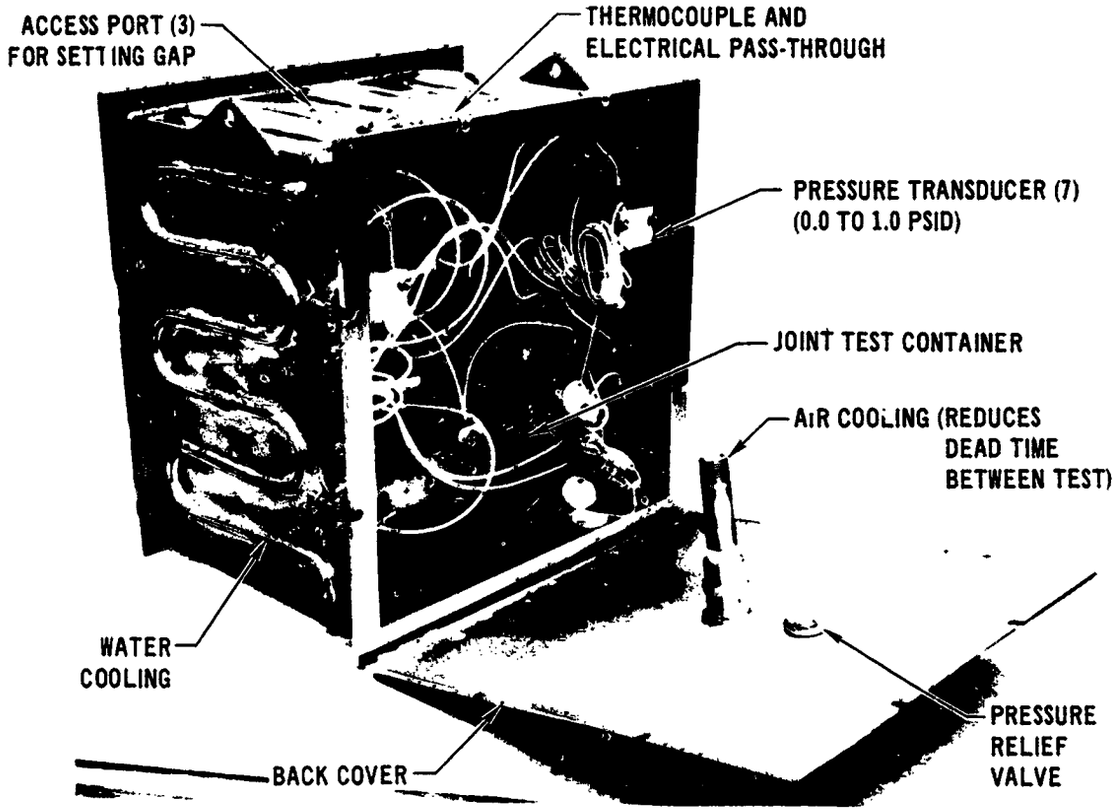


Figure 2.1-10 (Continued)

ADAPTER FIXTURE FOR JSC 10MW CHANNEL NOZZLE



457-5304

Figure 2.1-11

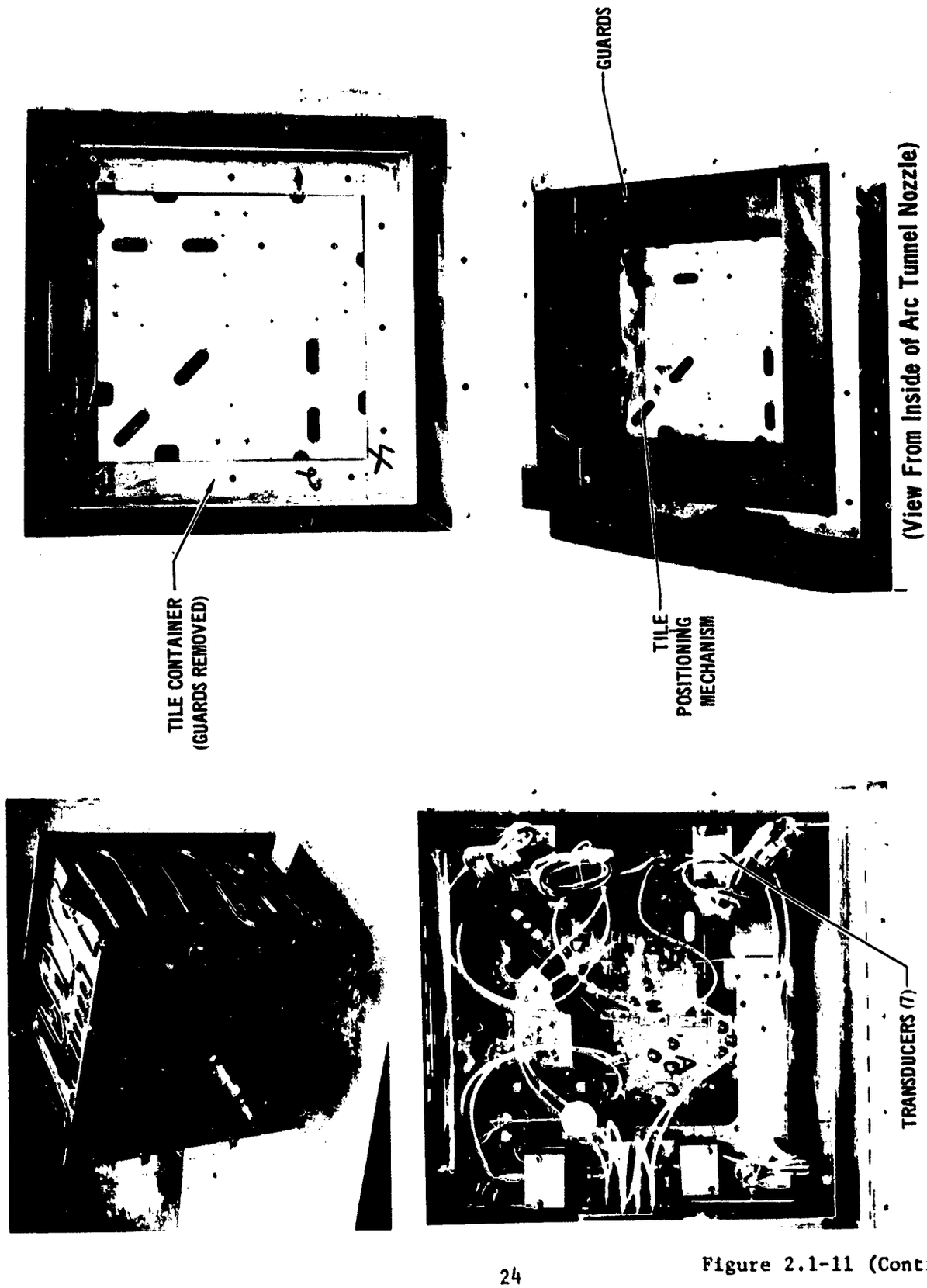


Figure 2.1-11 (Continued)

ADAPTER, HCF GUARDS AND TYPICAL TILE SET

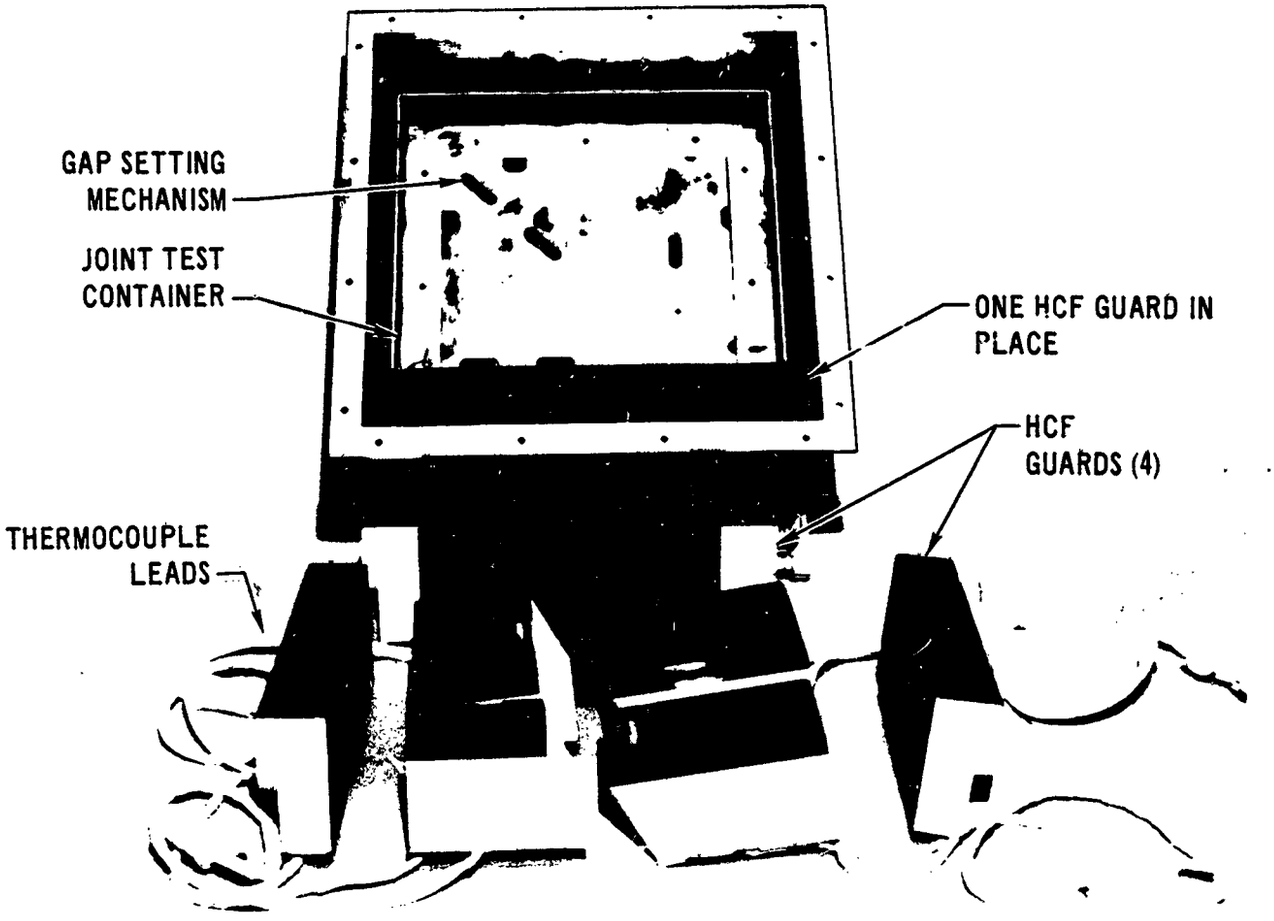


Figure 2.1-12

tile sets are interchangeable. In addition to supporting the tile test hardware, this adapter was designed to:

- o Prevent leakage of the plasma stream through the adapter into the tunnel.
- o Provide access for adjusting the gap widths between adjacent tiles.
- o Provide electrical interface (quick disconnects) to facilitate instrumentation hook-up for the thermocouples and pressure transducers.
- o Water cool the adapter to minimize heat transfer between the adapter and the tile support mechanism assembly and to prevent heat buildup in the test hardware.
- o Provide for air cooling the back side of the tiles to reduce down time between test runs.

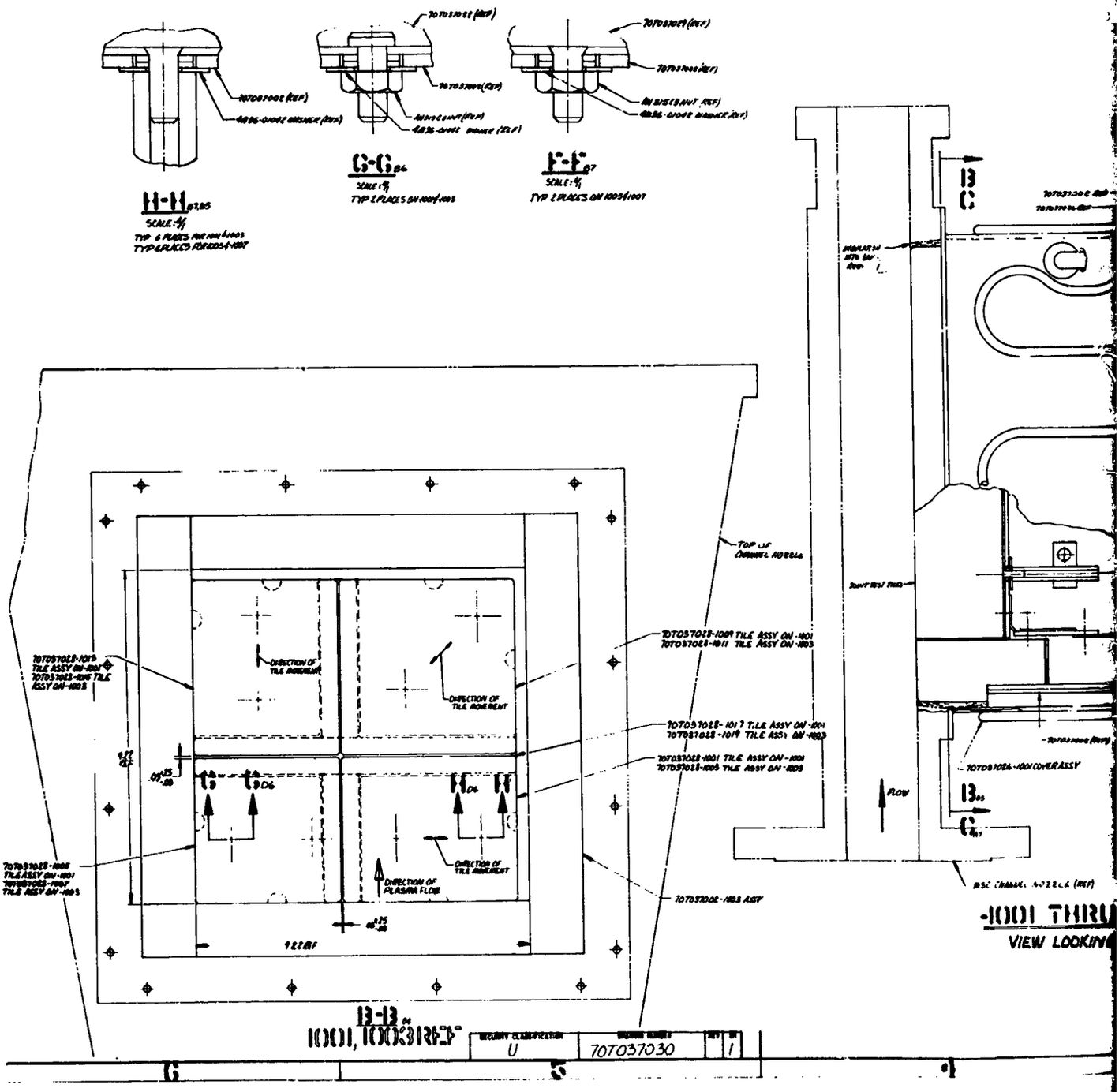
As defined in Figure 2.1-10, 0.125 inch thick stainless steel was used to fabricate the 13.24 inch square by 10.60 inch high adapter. A total of sixteen attachment holes was drilled in the attachment flange mating the attachment patterns of the channel nozzle as defined per AVCO drawing number 315E4017. To assure a true attachment plane the outer surface of this flange was machined after welding. A hinged door is attached to the opposite end of the assembly, providing quick access for installation and removal of the tile mechanism assembly. Four check valves were installed in the walls and the hinged door to eliminate any appreciable pressure differential between the interior of the adapter and the tunnel chamber.

The requirements for assembling the various HCF tile arrays to the mechanism assembly (70T037002), installing these units inside the adapter assembly (70T037026), and attaching the adapter to the channel nozzle are shown in Figure 2.1-13. These units are designed so that the assembly remains semi-permanently attached to the channel nozzle when changing from one tile array to another. Only the container assembly is removed from the ARC heated tunnel to install or remove a set of tiles. This allows leaving intact the various interfaces, (including the thermocouple leads, pressure port leads, air cooling port and the water cooling lines) between the adapter and the tunnel facilities, even while changing test hardware. In addition to specifying the various hardware required for assembling these units, Figure 2.1-13 also shows the arrangements for the various tile arrays tested.

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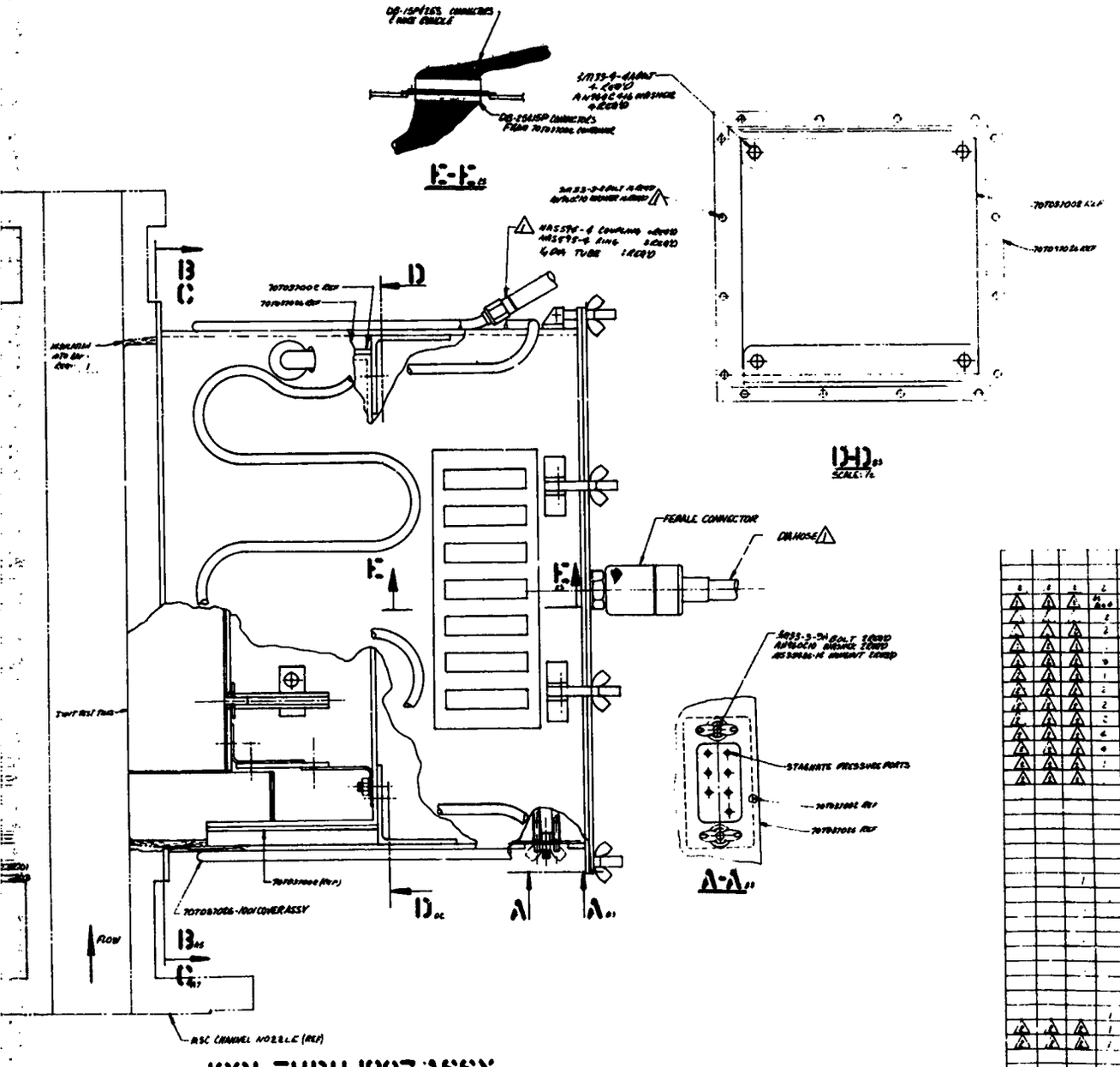
PLASMA CHANNEL NOZZLE, PANEL INSTALLATION ASSEMBLY

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FOLDOUT FRAME
2

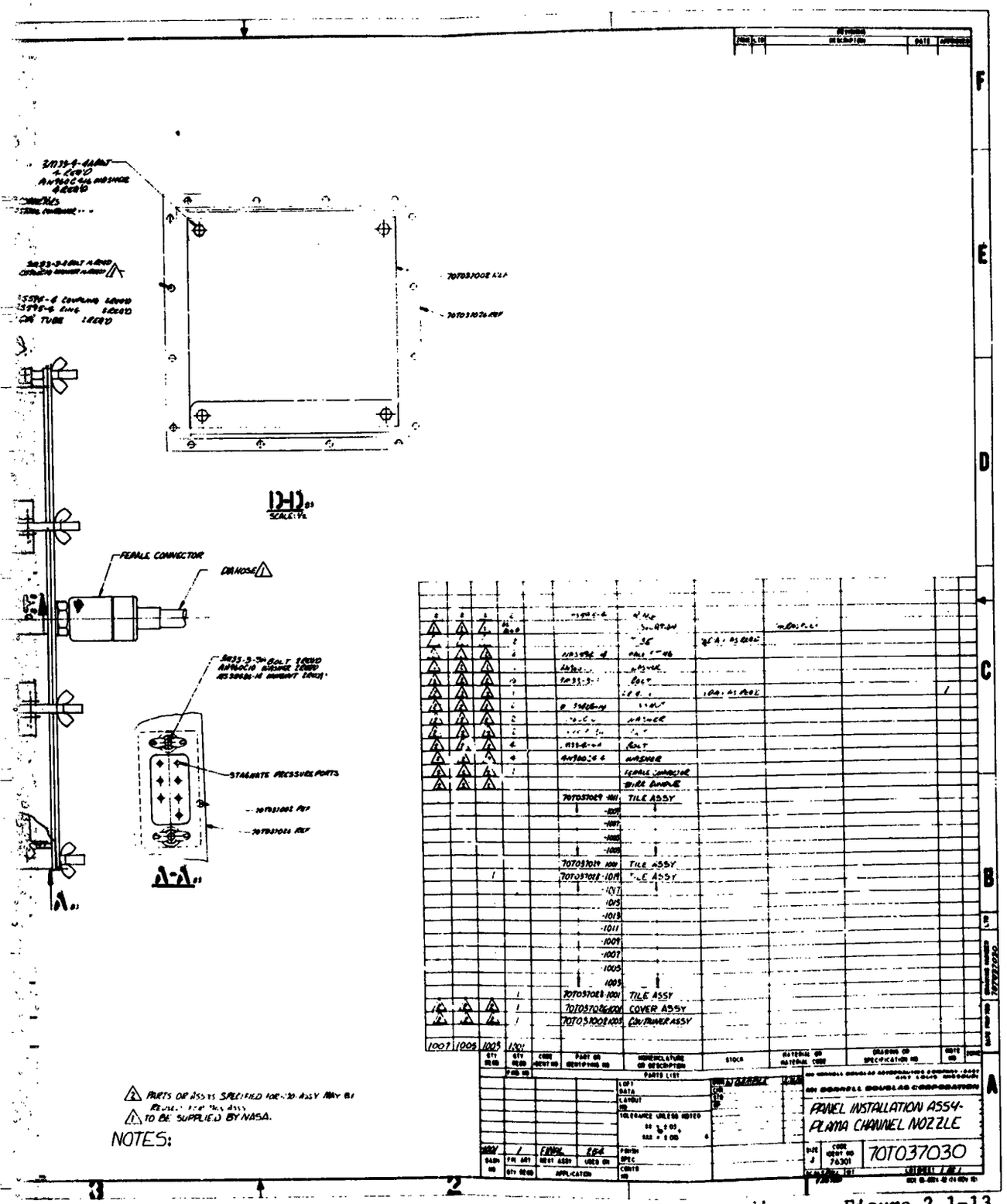


-1001 THRU-1007 ASSY
VIEW LOOKING DOWNWARD

NOTES:
1. TO BE SUPPLIED BY NASA.
2. PARTS OR ASSYS SPECIFIED FOR ONE ASSY MAY BE REVISED FOR THIS ASSY.

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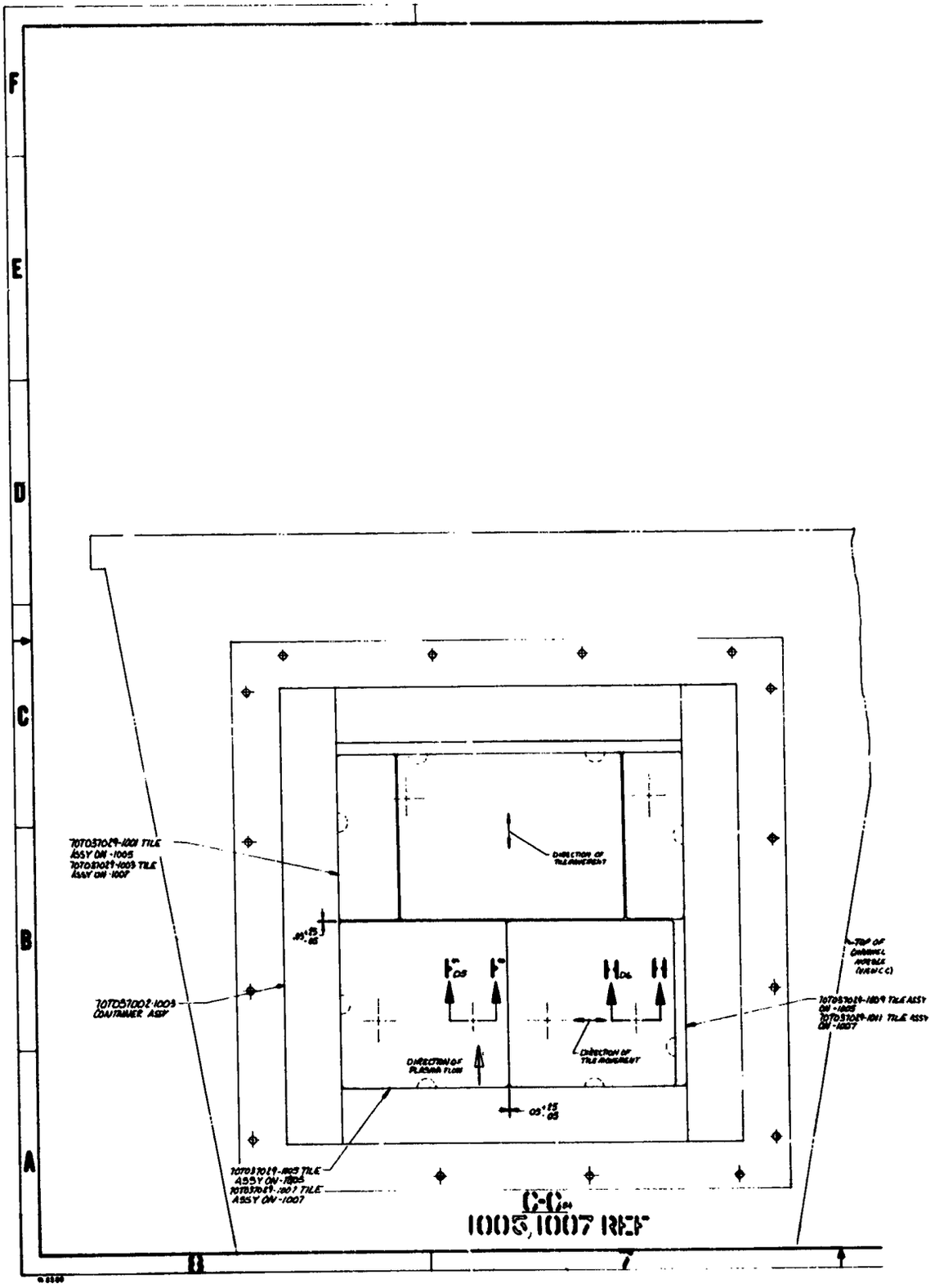


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Figure 2.1-13

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PLASMA CHANNEL NOZZLE, PANEL INSTALLATION ASSEMBLY (Continued)



2.2 MODEL X-RAY

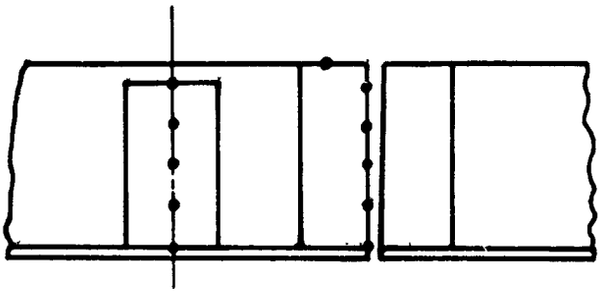
2.2 MODEL X-RAY

Tile data sheets which show an x-ray, location schematic, T/C number and corresponding facility channel number, and actual measurements of the T/C positions in the gaps or plug are shown in Figures 2.2-1 through 2.2-36. Some T/C measurements were made from actual test tiles where this was possible, while the others were taken from x-rays. When x-rays were used, the effects of parallax were accounted for. Data sheets contained in this section coincide with the Gap Models listed in Figure 2.0-3.

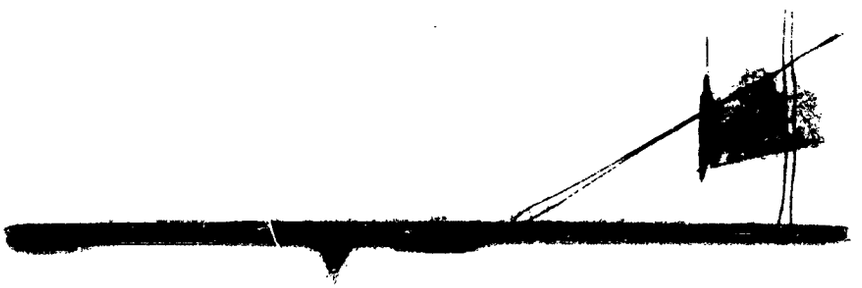
TILE DATA SHEET

Designation TILE A - 1.25" BUTT

Location Schematic PLUG & TRANSVERSE GAP



X-Ray Photo

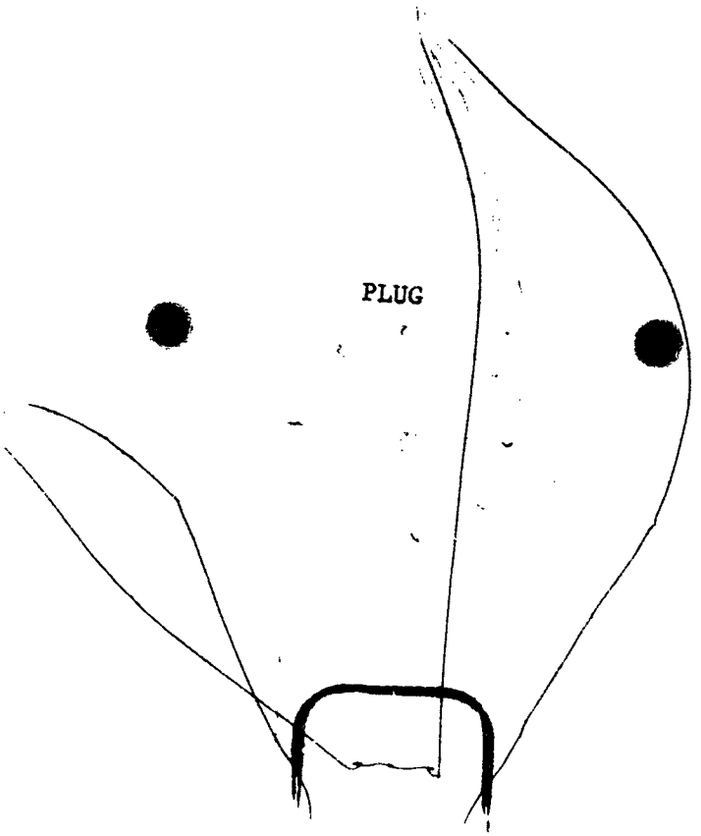


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
1	57	0.0	AT INTERSECTION OF TILES
2	58	1.25	UPSTREAM SIDE OF GAP
3	59	1.07	
4	60	.77	
5	61	.49	
6	62	.30	
7	63	0.0	
8	64	1.10	PLUG
9	65	.79	
10	66	.49	
11	67	.21	
12	68	0.0	

Figure 2.2-1

TILE A- 1.25" BUTT

X-Ray Photos



UPSTREAM SIDE OF TRANSVERSE GAP T/C

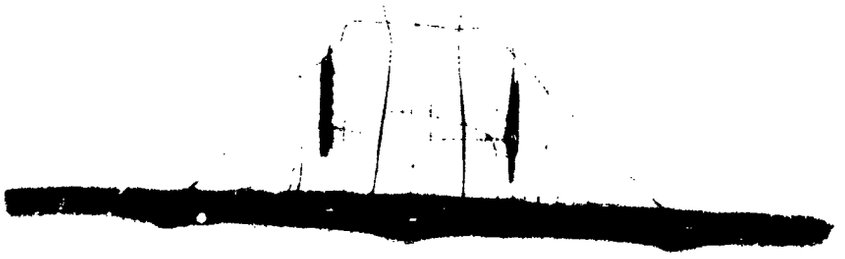
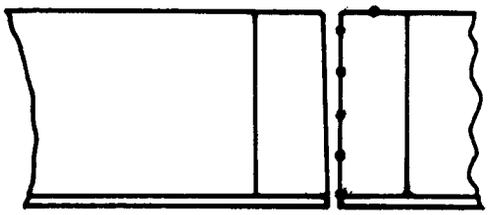


Figure 2.2-2

TILE DATA SHEET

Designation TILE B - 1.25" BUTT Location Schematic IN-LINE GAP



X-Ray Photo

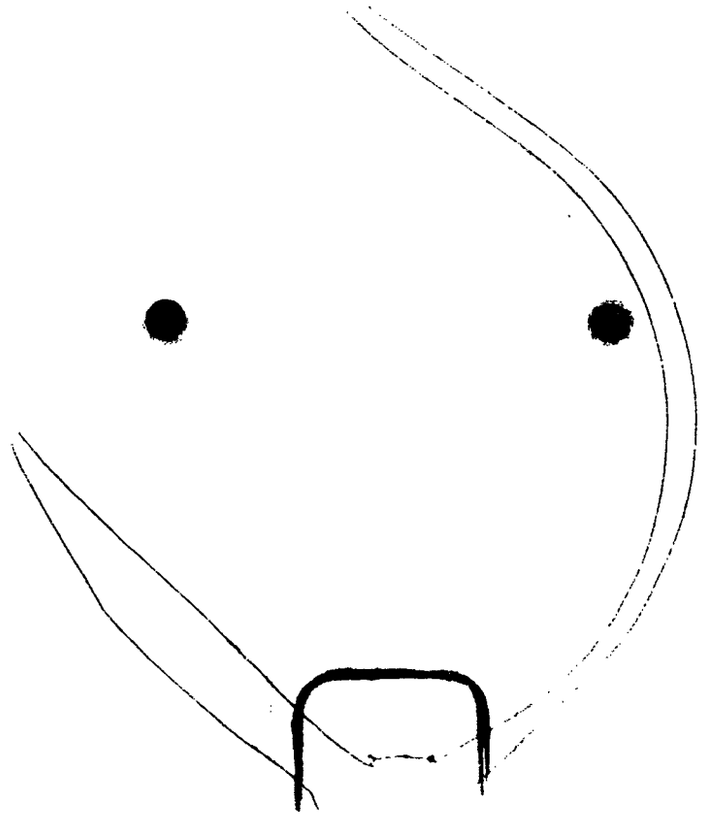


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
13	69	0.0	AT INTERSECTION OF TILES
14	70	1.25	DOWNSTREAM OF TRANSVERSE GAP
15	71	1.05	
16	72	.78	
17	81	.51	
18	82	.23	
19	83	0.0	

Figure 2.2-3

TILE B - 1.25" BUTT

X-Ray Photos



IN-LINE GAP T/C
DOWNSTREAM OF TRANSVERSE GAP

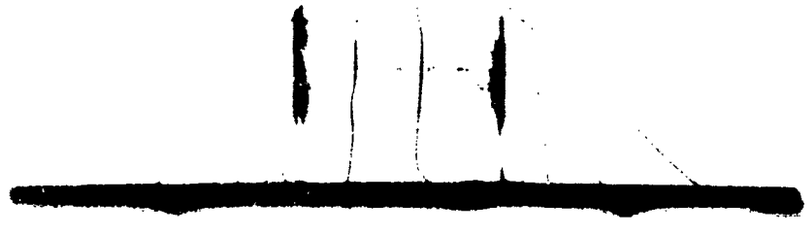
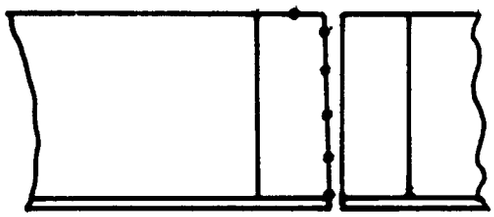


Figure 2.2-4

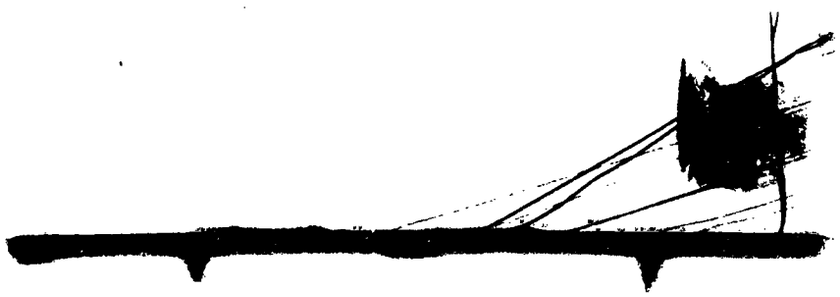
TILE DATA SHEET

Designation TILE C - 1.25" BUTT

Location Schematic IN-LINE GAP



X-Ray Photo

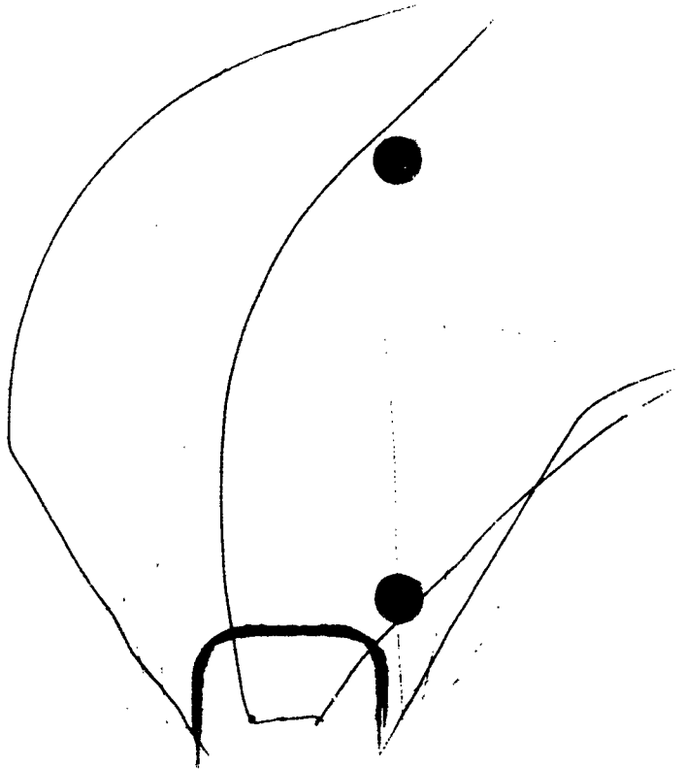


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
20	84	0.0	AT INTERSECTION OF TILES
21	85	1.25	UPSTREAM OF TRANSVERSE GAP
22	86	1.13	
23	87	.82	
24	88	.56	
25	89	.36	
26	90	0.0	

Figure 2.2-5

TILE C - 1.25" BUTT

X-Ray Photos



IN-LINE GAP T/C UPSTREAM OF TRANSVERSE GAP

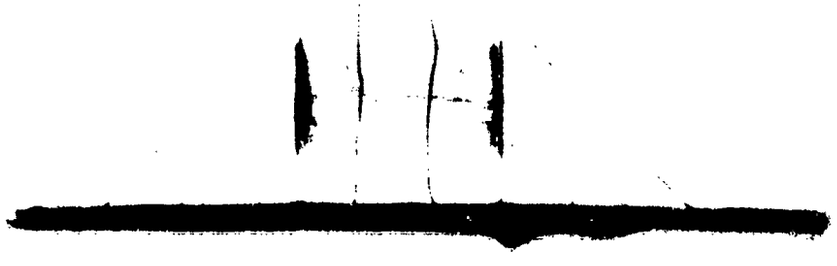
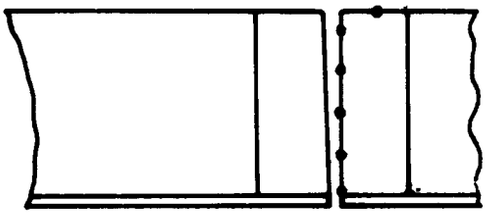


Figure 2.2-6

TILE DATA SHEET

Designation TILE D - 1.25" BUTT

Location Schematic TRANSVERSE GAP



X-Ray Photo

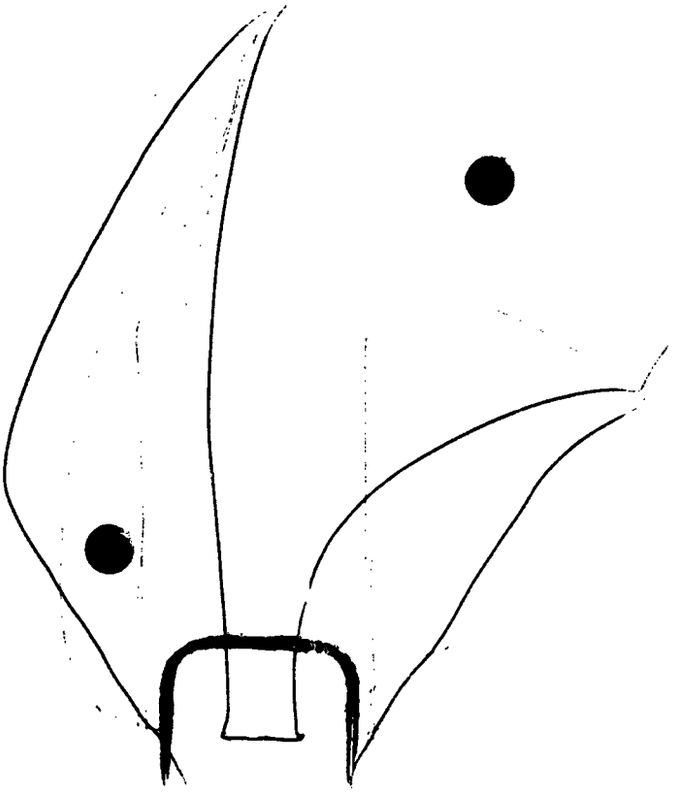


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
27	91	0.0	AT INTERSECTION OF TILES
28	92	1.25	DOWNSTREAM SIDE OF GAP
29	93	1.05	
30	94	.76	
31	95	.49	
32	96	.26	
33	97	.00	

Figure 2.2-7

TILE D - 1.25" BUTT

X-Ray Photos



DOWNSTREAM SIDE OF TRANSVERSE GAP T/C

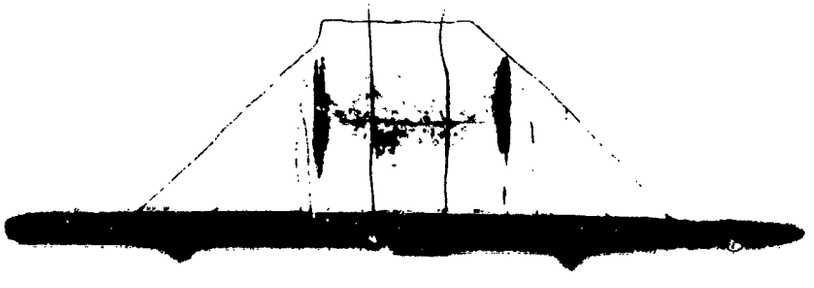
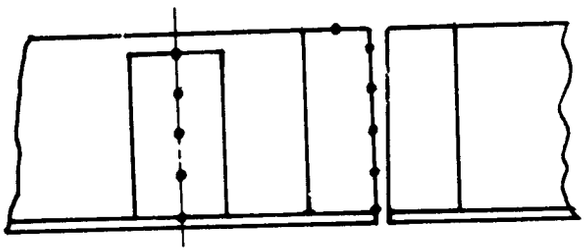


Figure 2.2-8

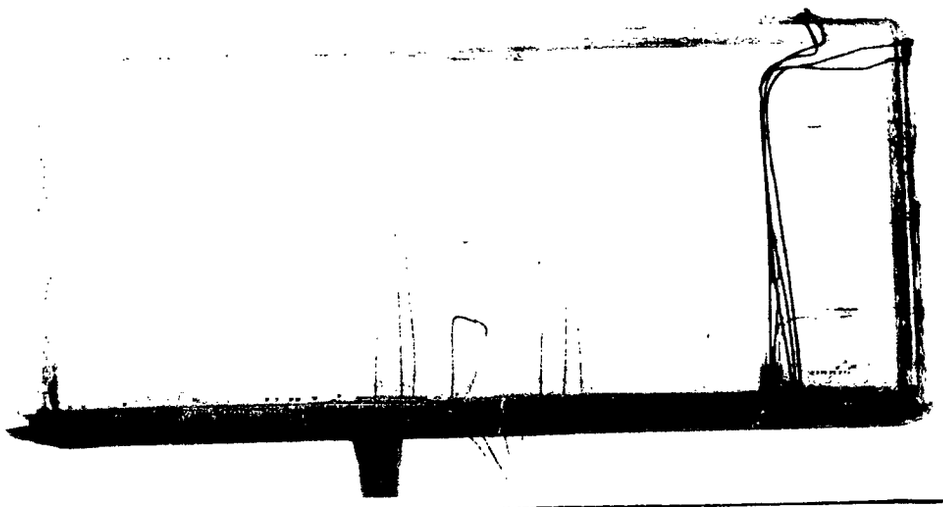
TILE DATA SHEET

Designation TILE A - 2" BUTT

Location Schematic PLUG & TRANSVERSE GAP



X-Ray Photo

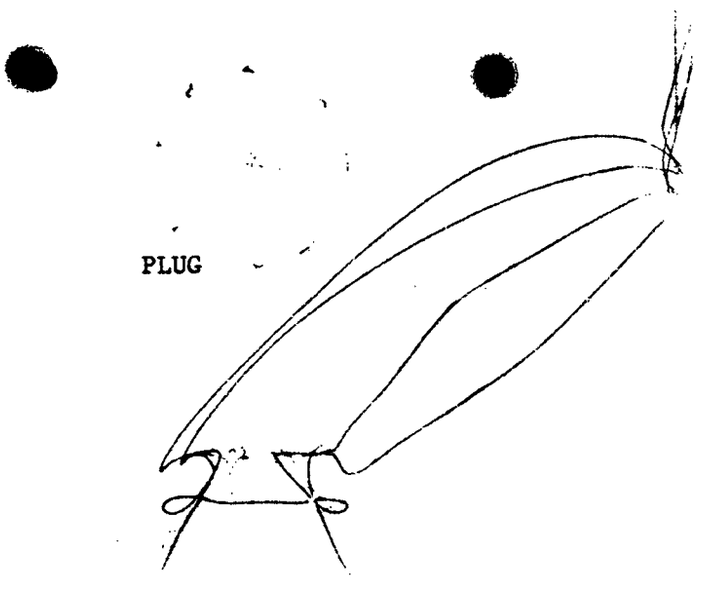


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
1	57	0.0	AT INTERSECTION OF TILES
2	58	2.00	UPSTREAM SIDE OF GAP
3	59	1.76	
4	60	1.31	
5	61	.95	
6	62	.48	
7	63	0.0	
8	64	1.88	PLUG
9	65	1.39	
10	66	.91	
11	67	.49	
12	68	0.0	

Figure 2.2-9

TILE A-2" BUTT

X-Ray Photos



UPSTREAM SIDE TRANSVERSE GAP T/C

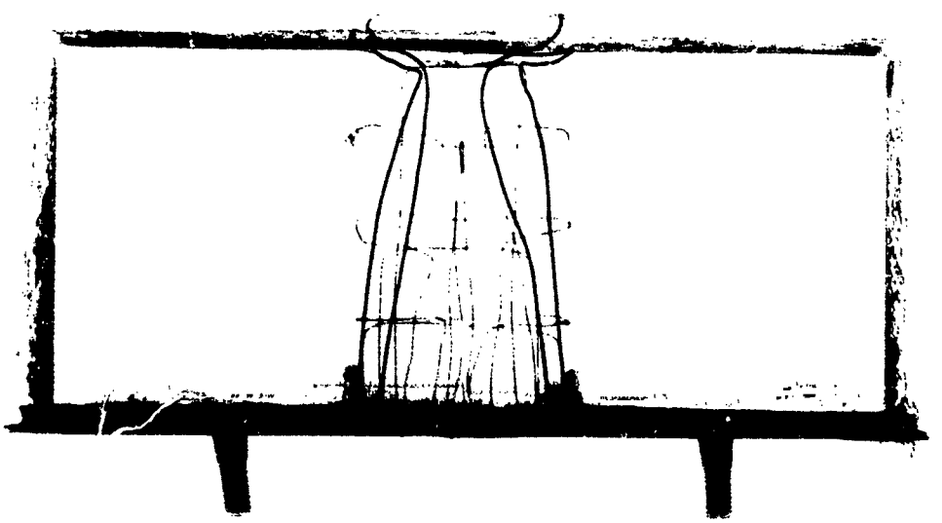
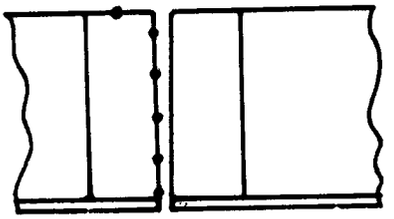


Figure 2.2-10

TILE DATA SHEET

Designation TILE B - 2" BUTT

Location Schematic IN-LINE GAP



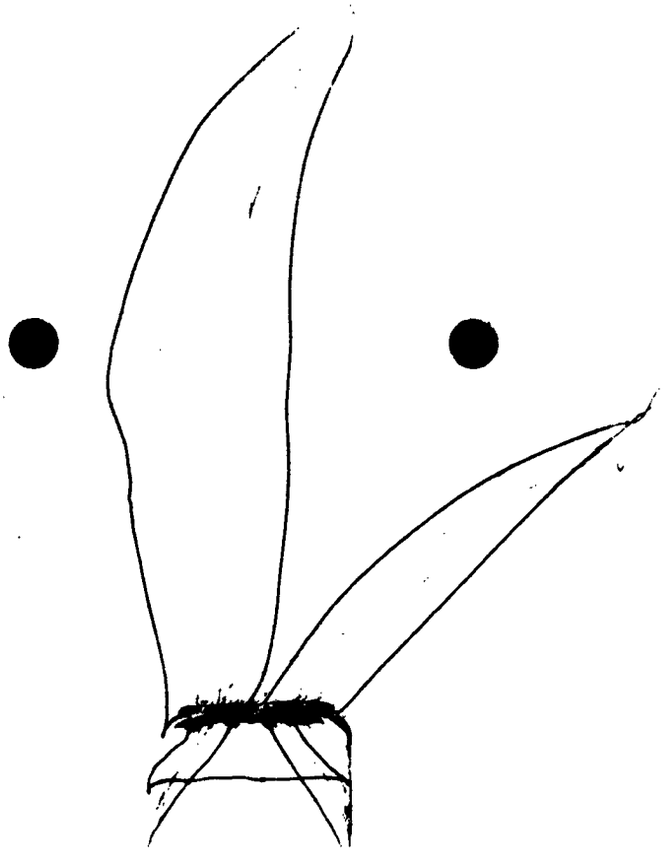
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
13	69	0.0	AT INTERSECTION OF TILES
14	70	2.00	DOWNSTREAM OF TRANSVERSE GAP
15	71	1.80	
16	72	1.43	
17	81	.96	
18	82	.51	
19	83	0.0	

Figure 2.2-11

TILE B - 2" BUTT
X-Ray Photos



IN-LINE GAP T/C DOWNSTREAM
OF TRANSVERSE GAP

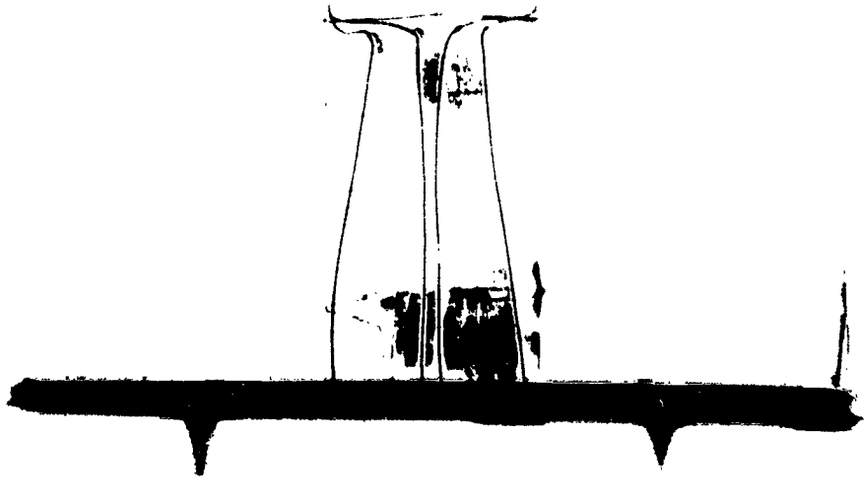
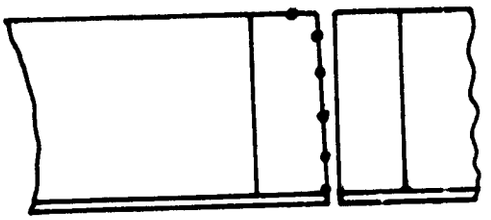


Figure 2.2-12

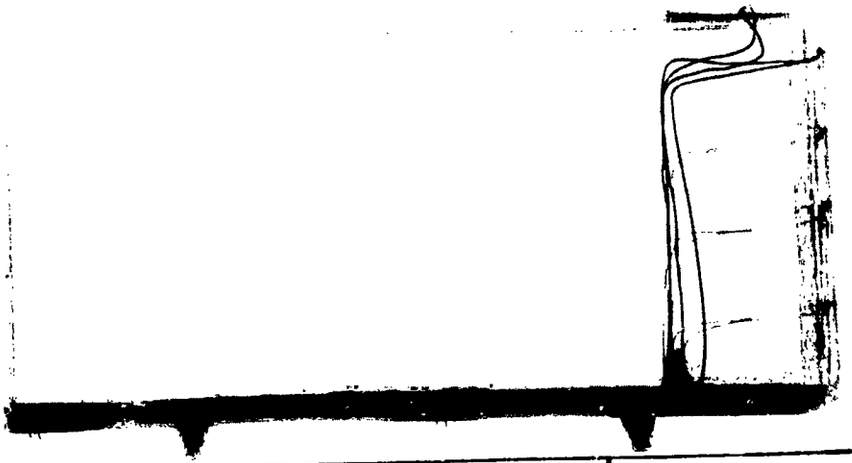
TILE DATA SHEET

Designation TILE C - 2"BUTT

Location Schematic IN-LINE GAP



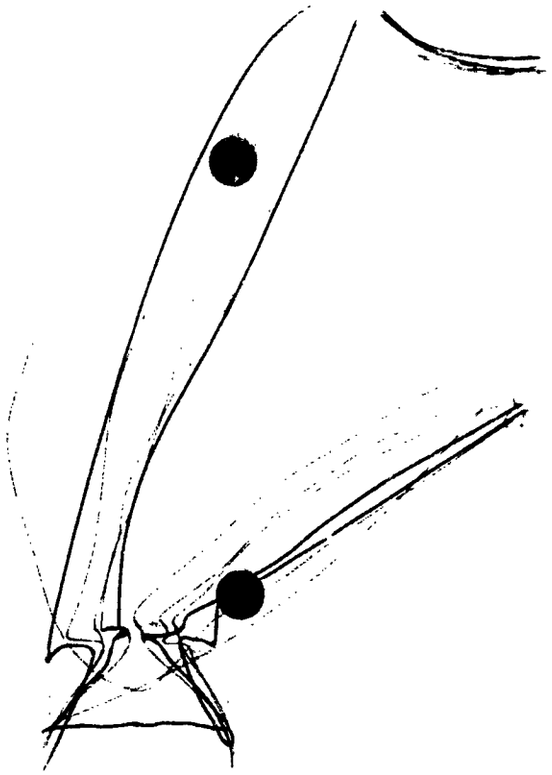
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
20	84	0.0	AT INTERSECTION OF TILES
21	85	2.00	UPSTREAM OF TRANSVERSE GAP
22	86	1.76	
23	87	1.37	
24	88	.97	
25	89	.49	
26	90	0	

Figure 2.2-13

TILE C - 2" BUTT
X-Ray Photos



IN-LINE GAP T/C UPSTREAM OF TRANSVERSE GAP

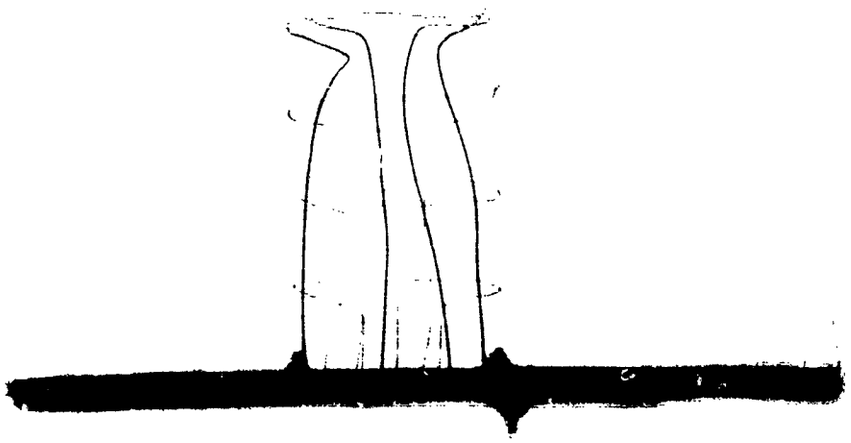
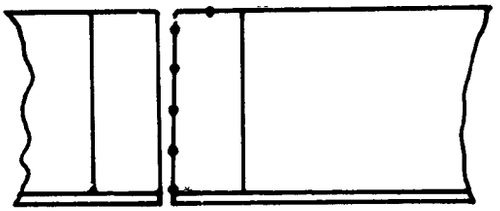


Figure 2.2-14

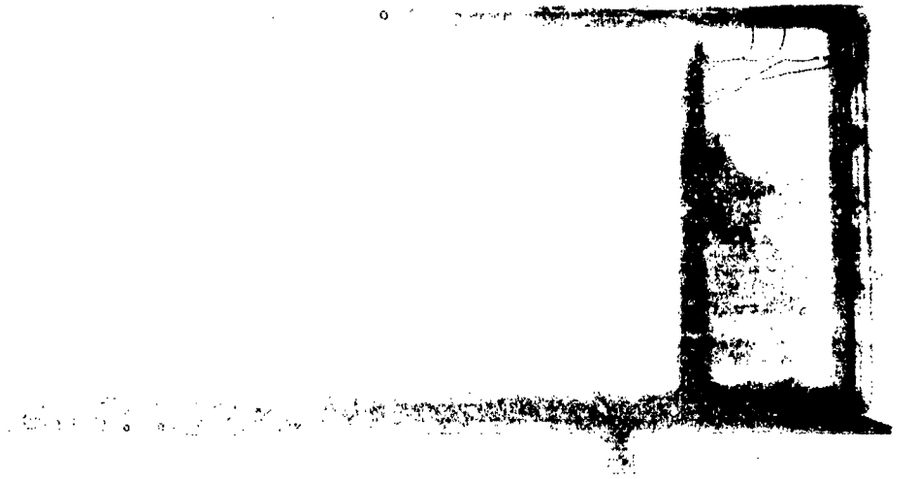
TILE DATA SHEET

Designation TILE D - 2"BUTT

Location Schematic TRANSVERSE GAP



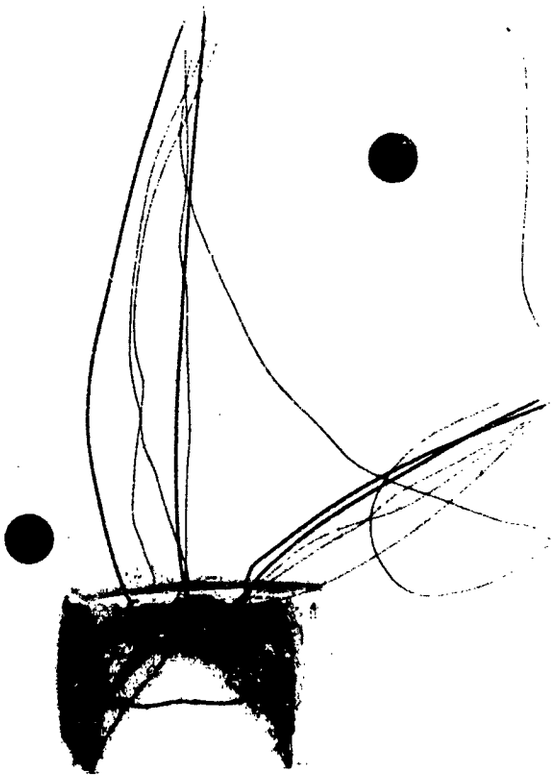
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
27	91	0.0	AT INTERSECTION OF TILES
28	92	2.00	DOWNSTREAM SIDE OF GAP
29	93	1.71	
30	94	1.38	
31	95	1.03	
32	96	.61	
33	97	0.0	

Figure 2.2-15

TILE D - 2" BUTT
X-Ray Photos



DOWNSTREAM SIDE OF TRANSVERSE GAP T/C

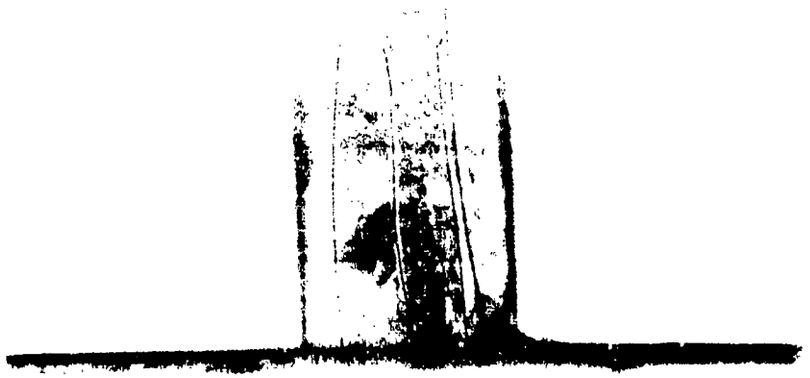
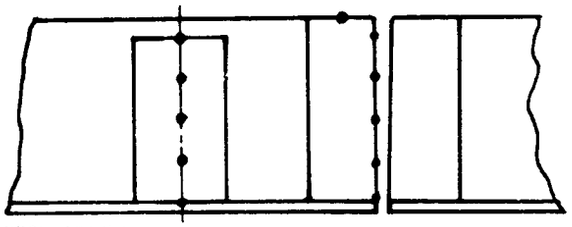


Figure 2.2-16

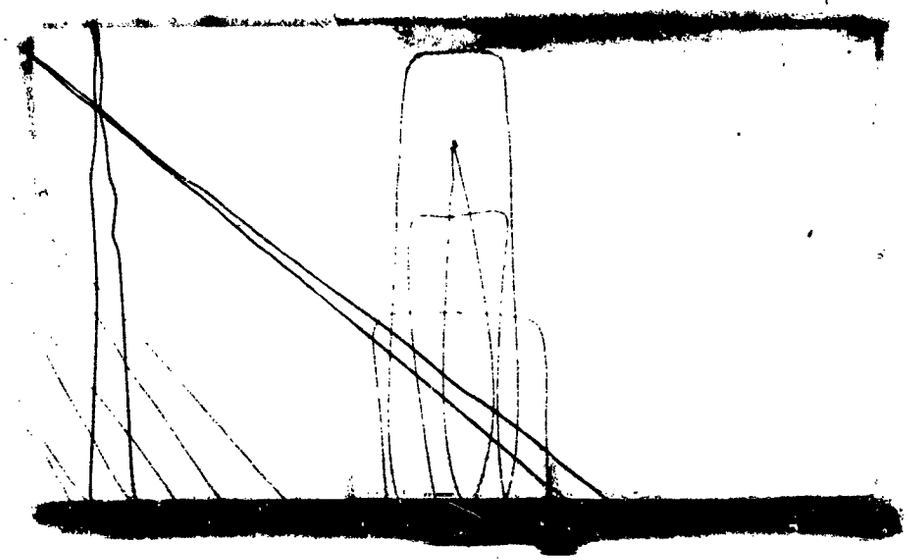
TILE DATA SHEET

Designation TILE A - 2.5" BUTT

Location Schematic PLUG & TRANSVERSE GAP



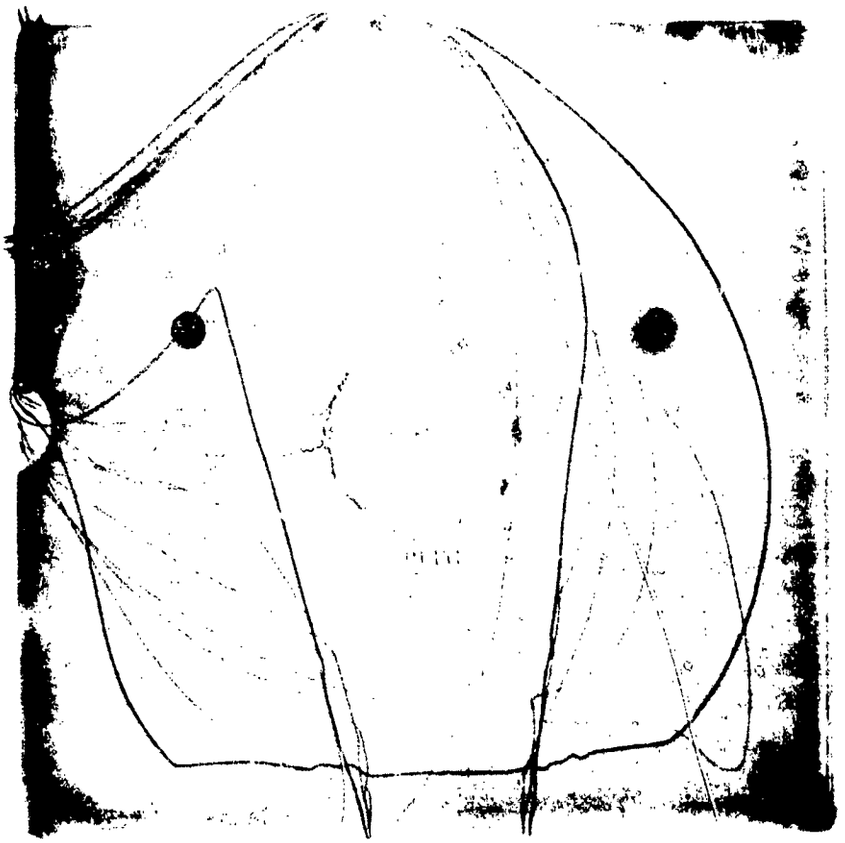
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
1	57	0.0	AT INTERSECTION OF TILES
2	58	2.50	UPSTREAM SIDE OF GAP
3	59	2.34	
4	60	1.61	
5	61	1.15	
6	62	0.51	
7	63	0.0	
8	64	2.28	PLUG
9	65	1.79	
10	66	1.44	
11	67	0.94	
12	68	0.0	

Figure 2.2-17

FILE A - 2.5" BUTT
X-Ray Photos



UPSTREAM SIDE OF TRANSVERSE GAP T/C

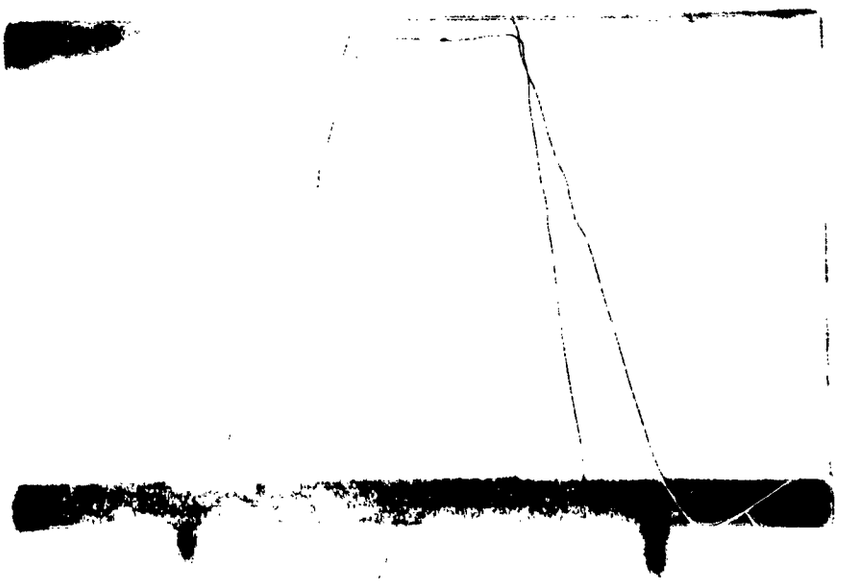
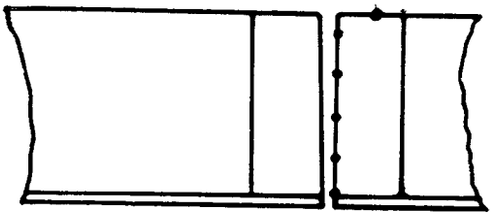


Figure 2.2-18

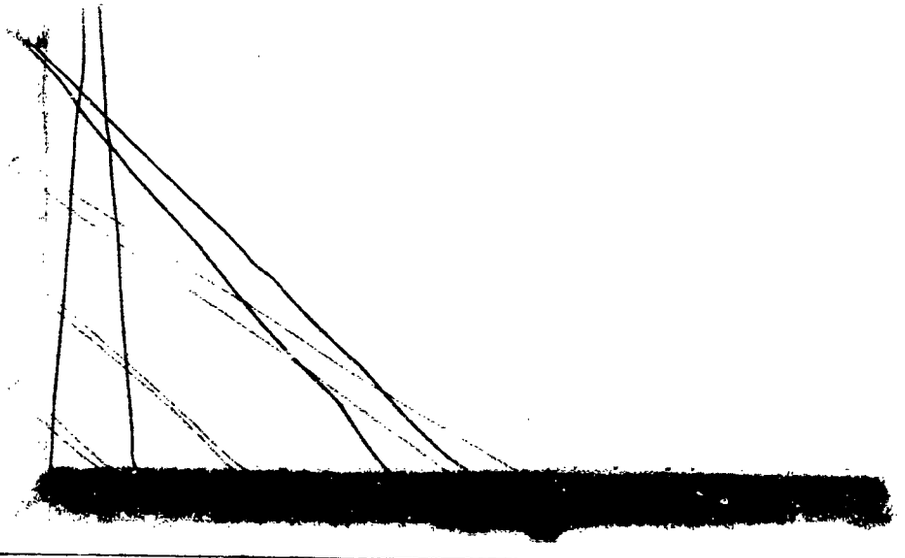
TILE DATA SHEET

Designation TILE B - 2.5" BUTT

Location Schematic IN-LINE GAP



X-Ray Photo

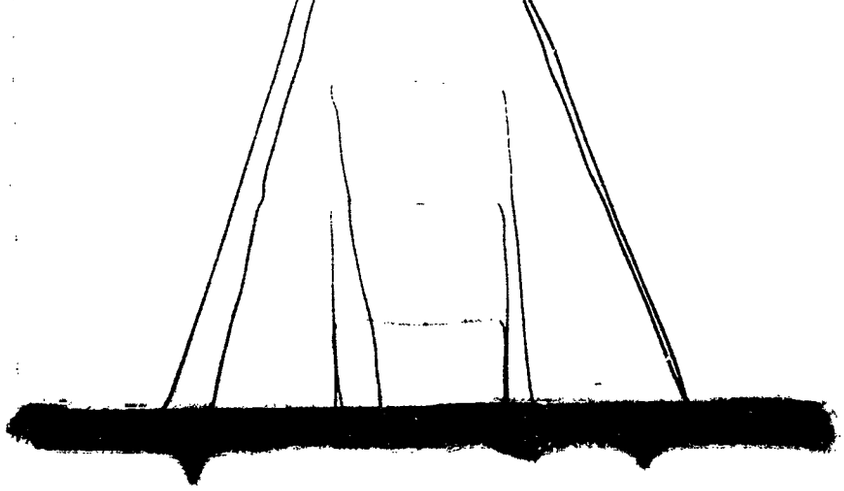


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
13	69	0.0	AT INTERSECTION OF TILES
14	70	2.50	DOWNSTREAM OF TRANSVERSE GAP
15	71	2.37	
16	72	1.67	
17	81	1.10	
18	82	.54	
19	83	0.0	

Figure 2.2-19

TILE B- 2.5"BUTT

X-Ray Photo



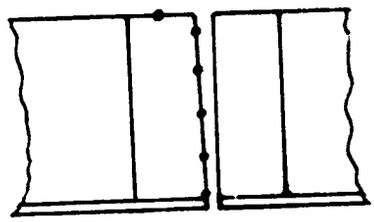
IN-LINE GAP T/C
DOWNSTREAM OF TRANSVERSE GAP

Figure 2.2-20

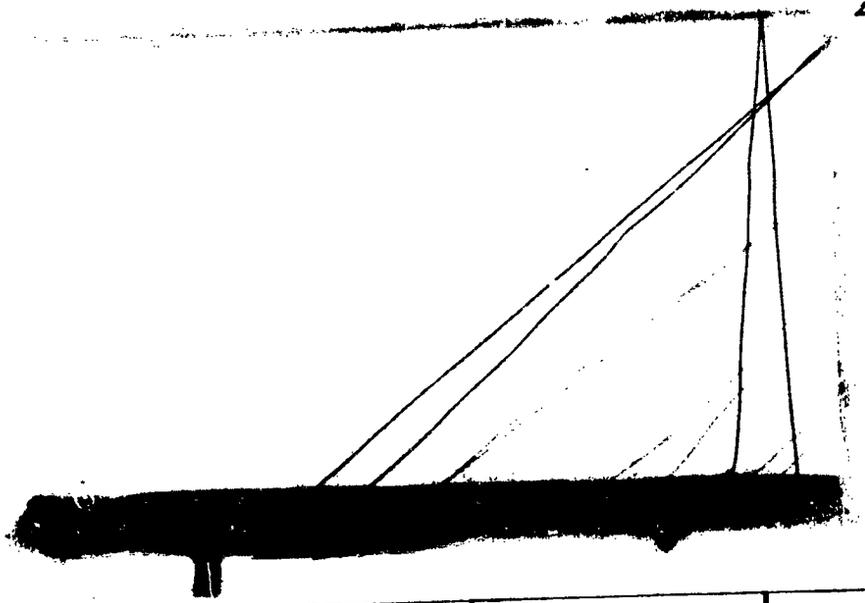
TILE DATA SHEET

Designation TILE C - 2.5" BUTT

Location Schematic IN-LINE GAP



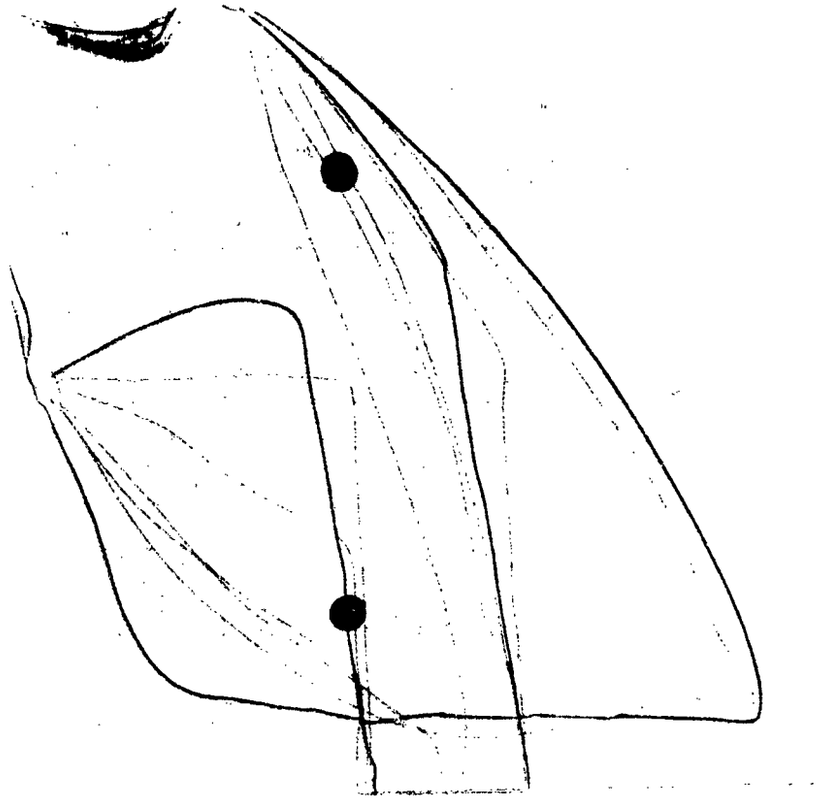
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
20	84	0.0	AT INTERSECTION OF TILES
21	85	2.50	UPSTREAM OF TRANSVERSE GAP
22	86	2.32	
23	87	1.65	
24	88	1.07	
25	89	.54	
26	90	0.0	

Figure 2.2-21

TILE C - 2.5" BUTT
X-Ray Photos



IN-LINE GAP T/C UPSTREAM OF TRANSVERSE GAP

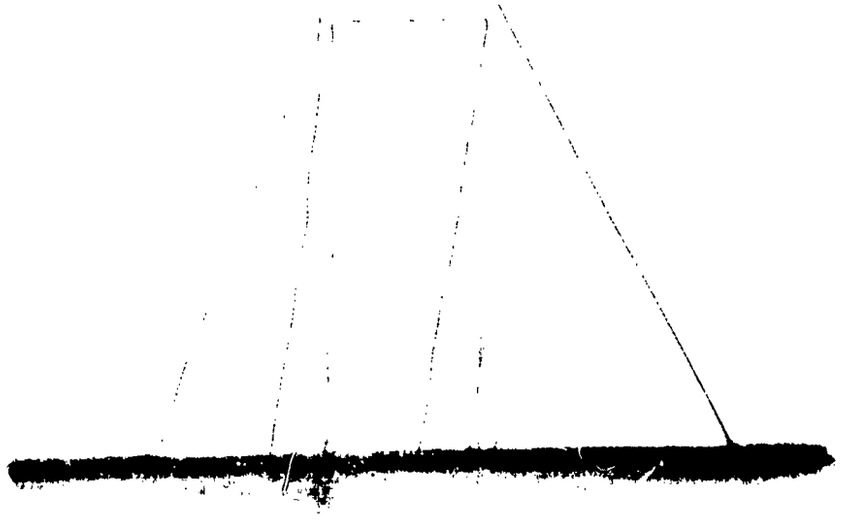
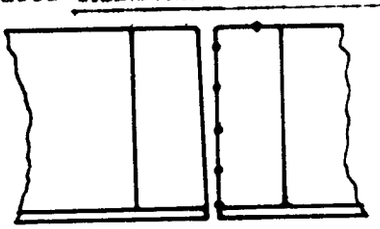


Figure 2.2-22

TILE DATA SHEET

Designation TILE D - 2.5" BUTT

Location Schematic TRANSVERSE GAP



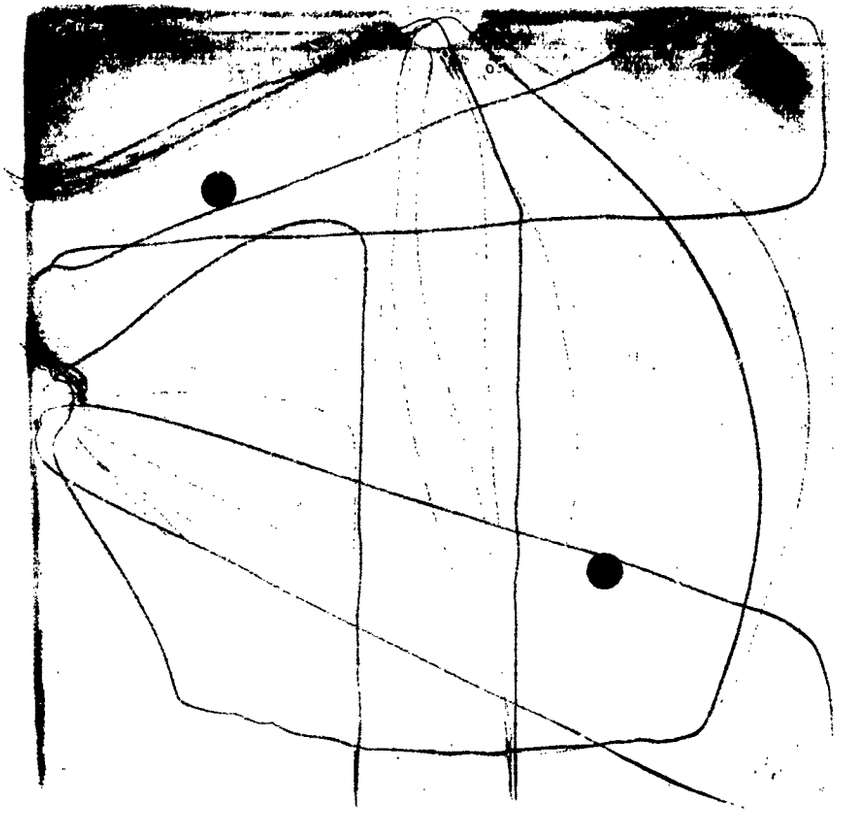
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
27	91	0.0	AT INTERSECTION OF TILES
28	92	2.500	DOWNSTREAM SIDE OF GAP
29	93	2.340	
30	94	1.690	
31	95	1.105	
32	96	0.543	
33	97	0.0	

Figure 2.2-23

TILE D - 2.5" BUTT
X-Ray Photos



DOWNSTREAM SIDE OF TRANSVERSE GAP T/C

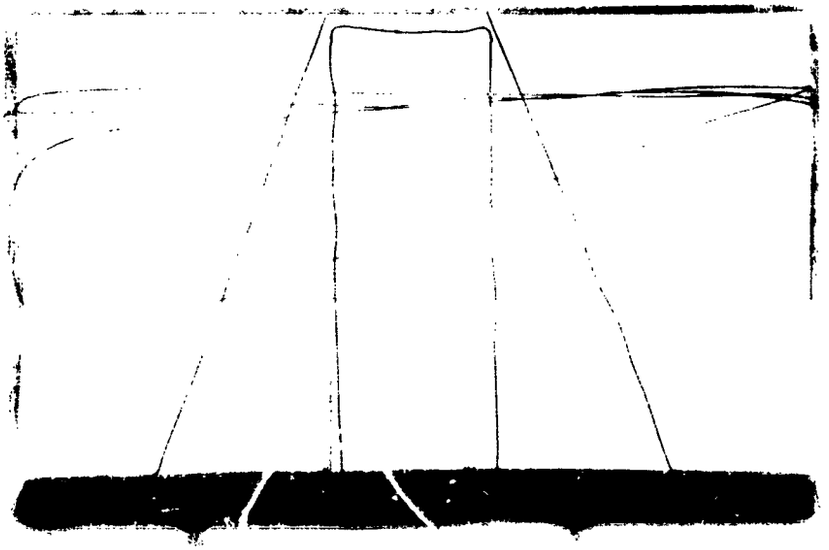
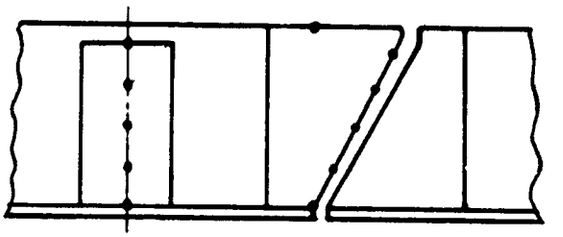


Figure 2.2-24

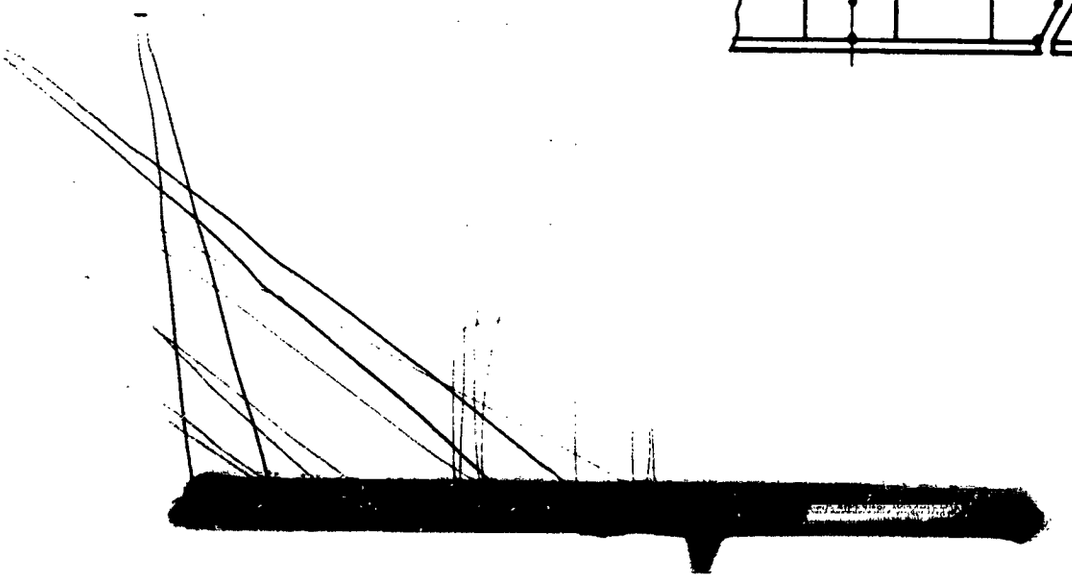
TILE DATA SHEET

Designation TILE A - 2.5" INCLINED

Location Schematic PLUG & TRANSVERSE GAP



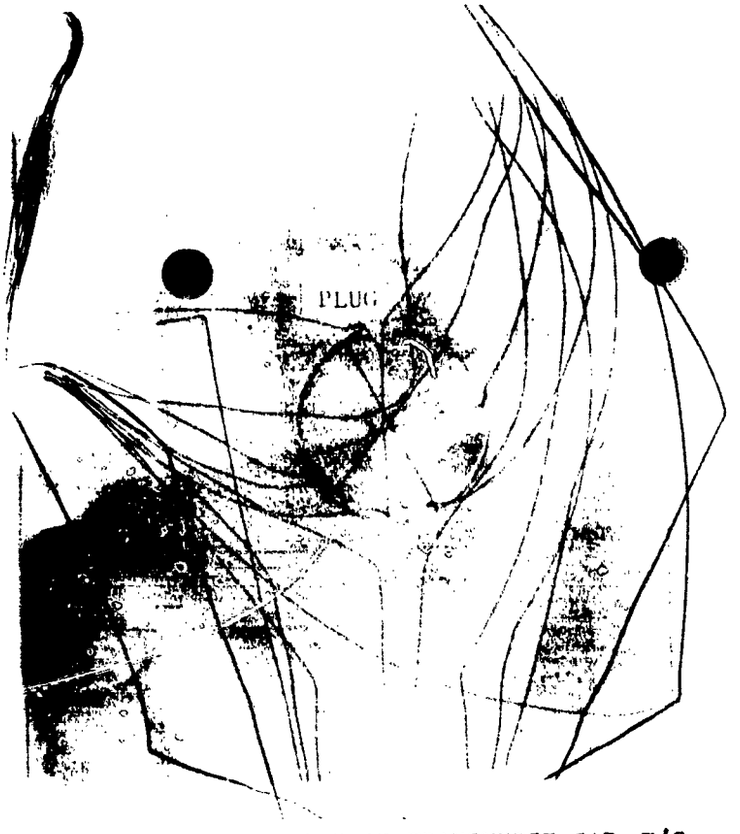
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
1	57	0.0	AT INTERSECTION OF TILES
2	58	2.73	UPSTREAM SIDE OF GAP
3	59	2.56	
4	60	1.86	
5	61	1.23	
6	62	.62	
7	63	0.0	
8	64	2.29	PLUG
9	65	1.84	
10	66	1.39	
11	67	.86	
12	68	0.0	

Figure 2.2-25

TILE A – 2.5" INCLINED
X-Ray Photos



UPSTREAM SIDE OF TRANSVERSE GAP T/C

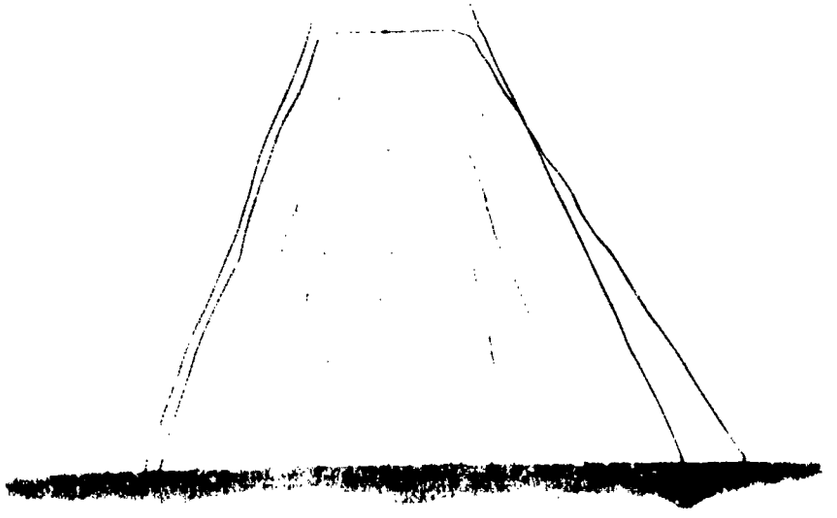
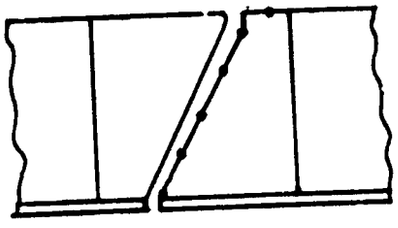


Figure 2.2-26

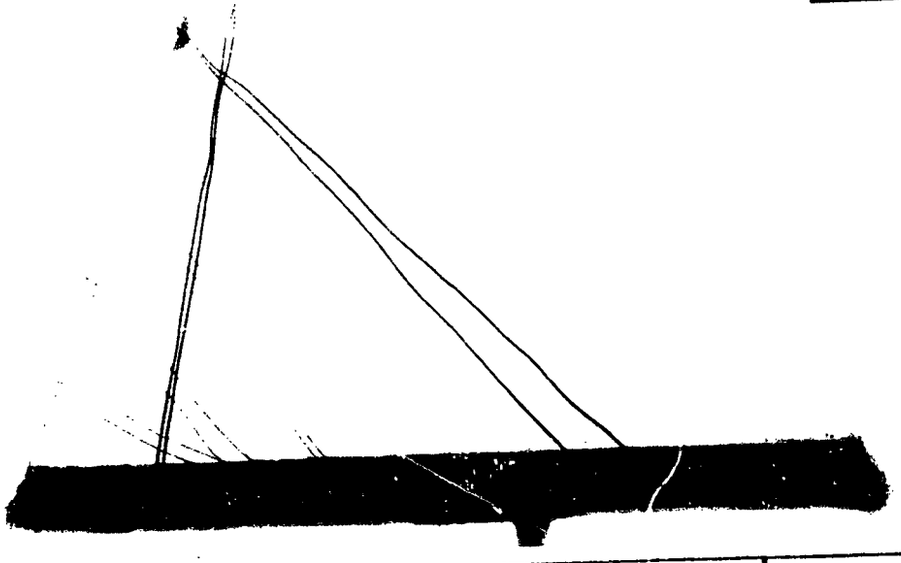
TILE DATA SHEET

Designation TILE B - 2.5" INCLINED

Location Schematic IN-LINE GAP



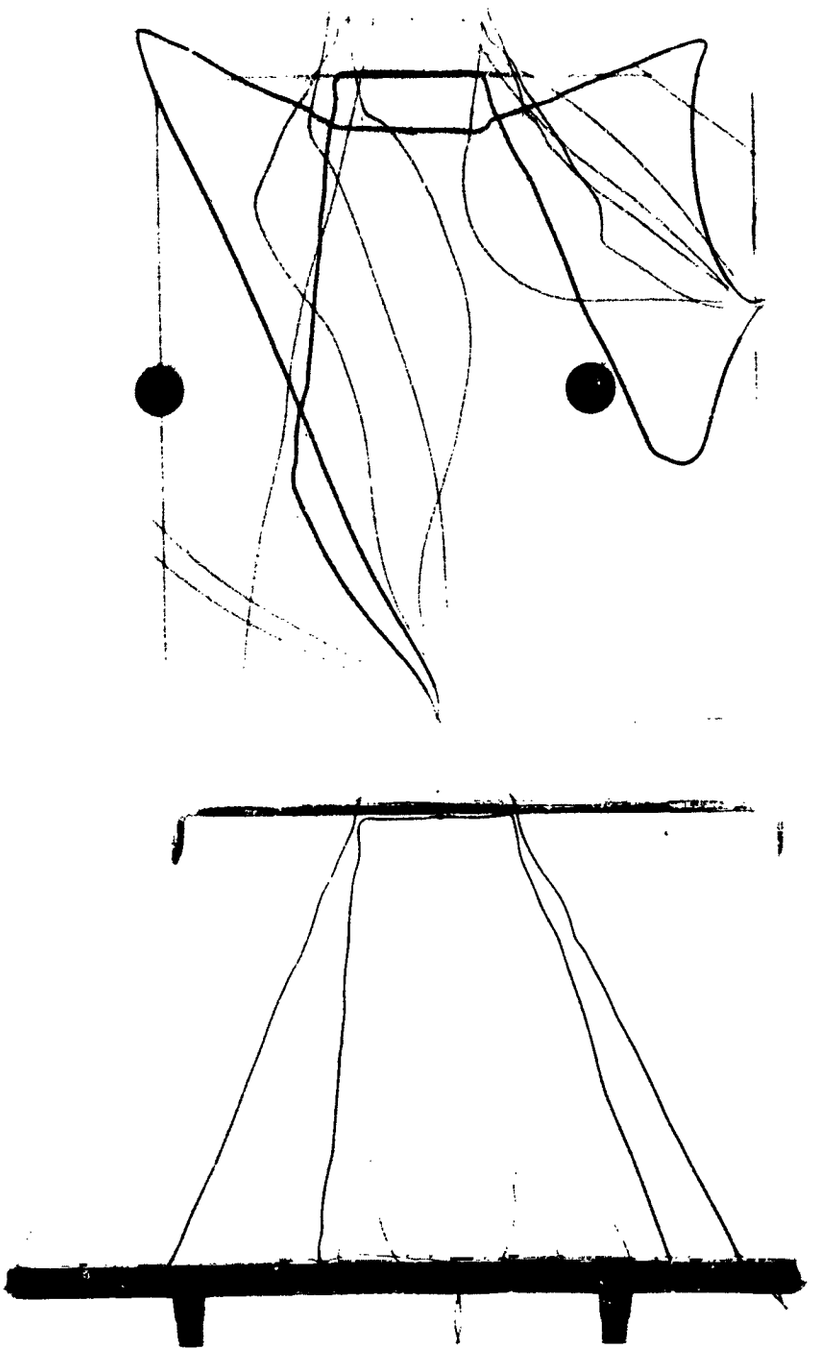
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
13	69	0.0	AT INTERSECTION OF TILES
14	70	2.73	DOWNSTREAM OF TRANSVERSE GAP
15	71	2.59	
16	72	1.79	
17	81	1.18	
18	82	.62	
19	83	0.0	

Figure 2.2-27

TILE B - 2.5" INCLINED
X-Ray Photos



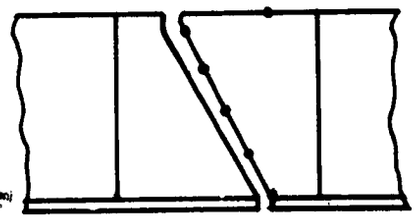
IN-LINE GAP T/C DOWNSTREAM OF TRANSVERSE GAP

Figure 2.2-28

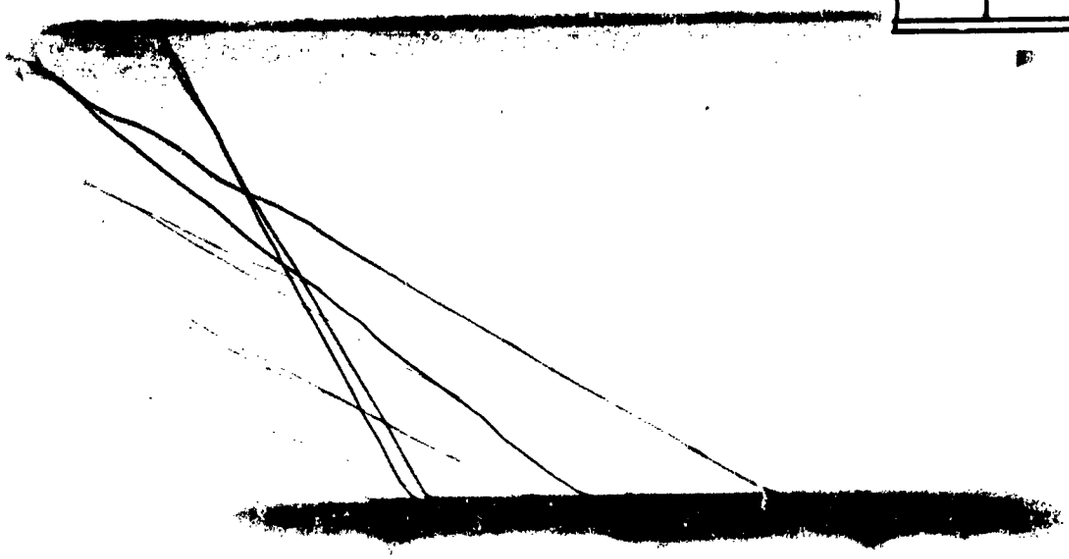
TILE DATA SHEET

Designation TILE C - 2.5" INCLINED

Location Schematic IN-LINE GAP



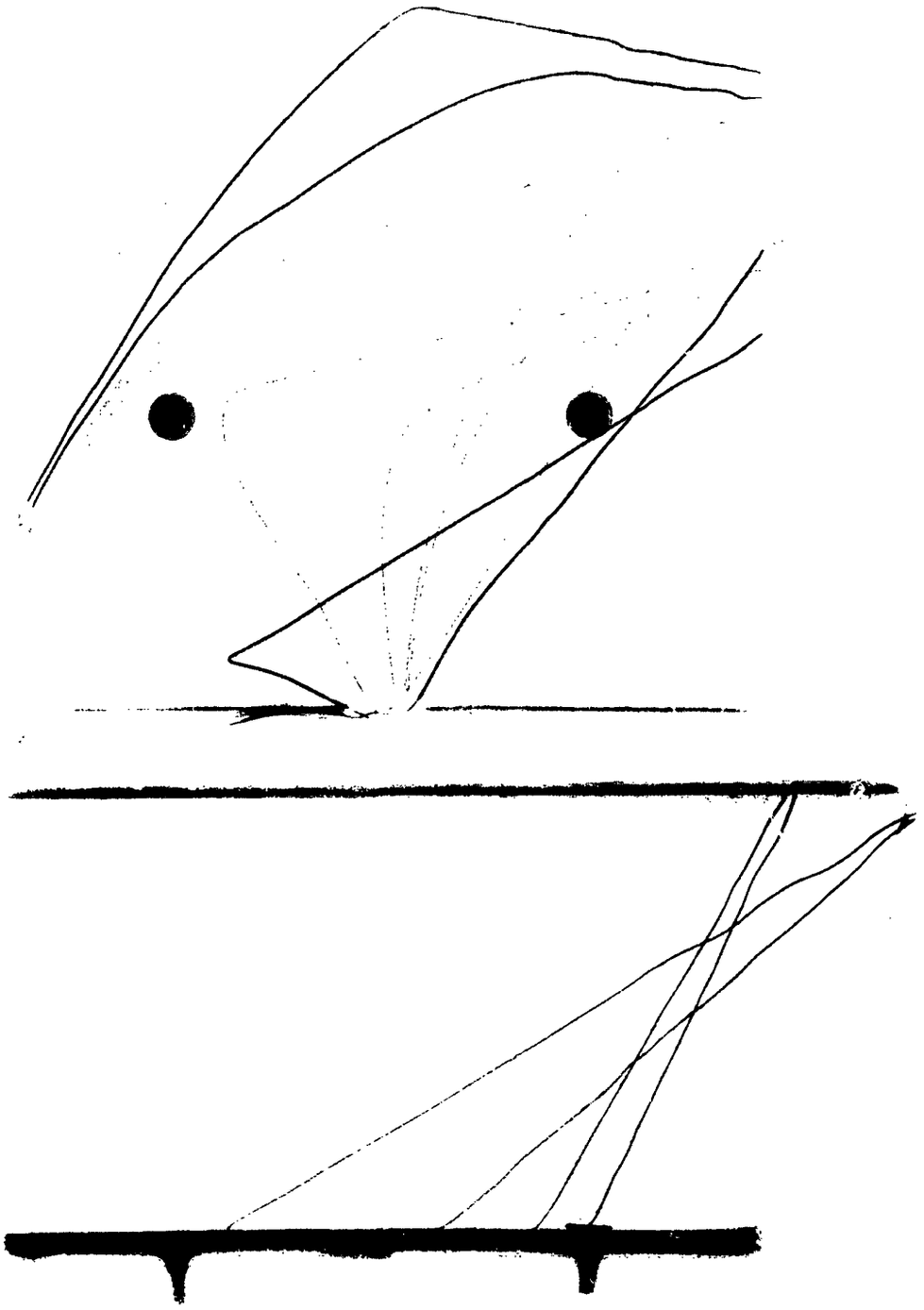
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
20	84	0.0	AT INTERSECTION OF TILES
21	85	2.69	UPSTREAM OF TRANSVERSE GAP
22	86	2.44	
23	87	1.82	
24	88	1.23	
25	89	.60	
26	90	0.0	

Figure 2.2-29

TILE C - 2.5" INCLINED
X-Ray Photos



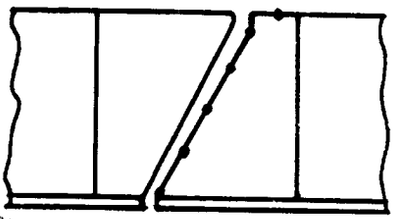
IN-LINE GAP T/C UPSTREAM OF TRANSVERSE GAP

Figure 2.2-30

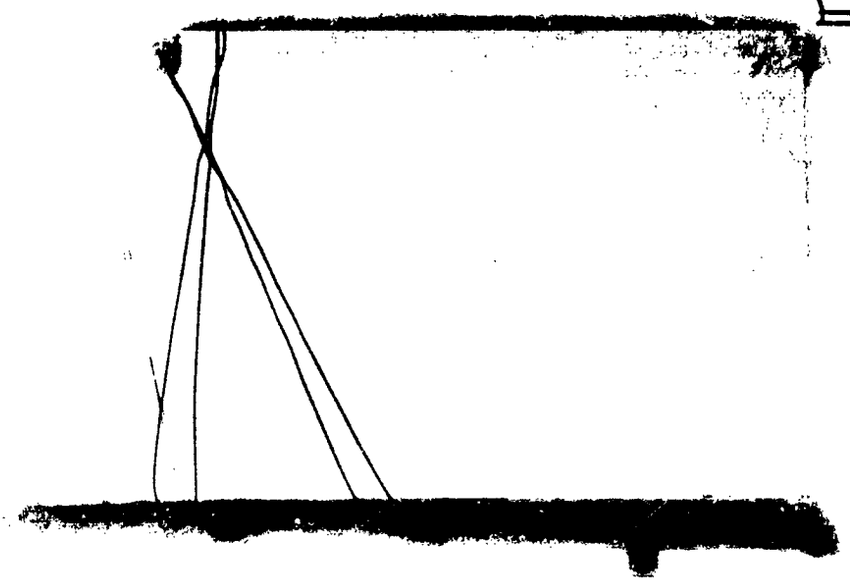
TILE DATA SHEET

Designation TILE D - 2.5" INCLINED

Location Schematic TRANSVERSE GAP



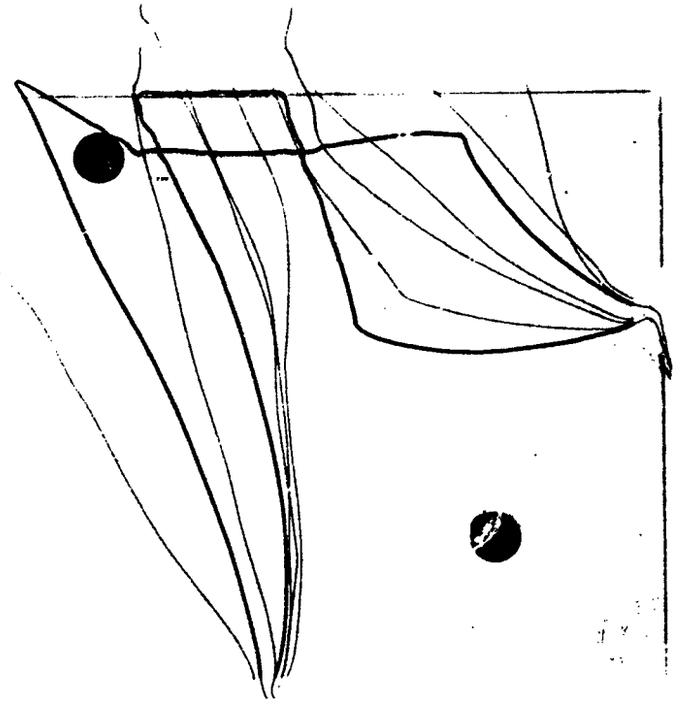
X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
27	91	0.0	AT INTERSECTION OF TILES
28	92	2.70	DOWNSTREAM SIDE OF GAP
29	93	2.49	
30	94	1.81	
31	95	1.22	
32	96	.63	
33	97	0.0	

Figure 2.2-31

TILE D - 2.5" INCLINED
X-Ray Photos



DOWNSTREAM SIDE OF TRANSVERSE GAP T/C

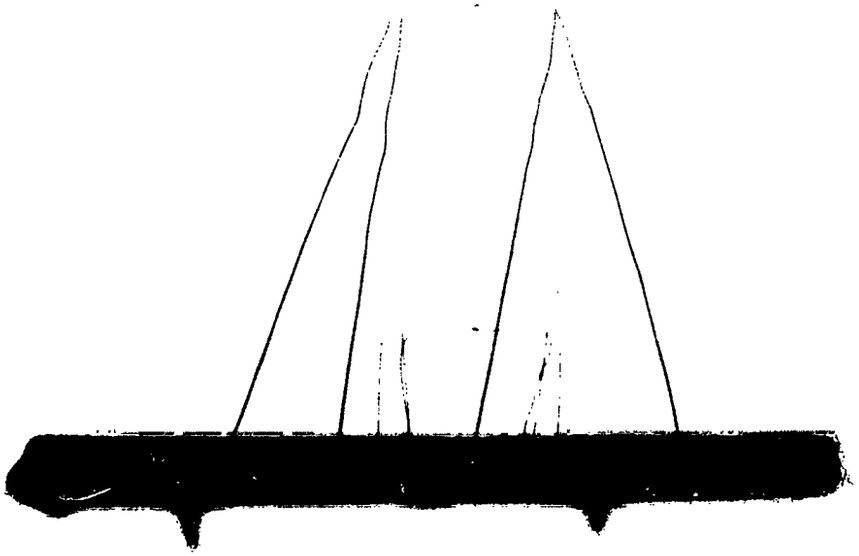
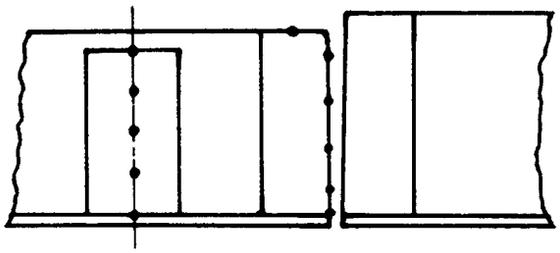


Figure 2.2-32

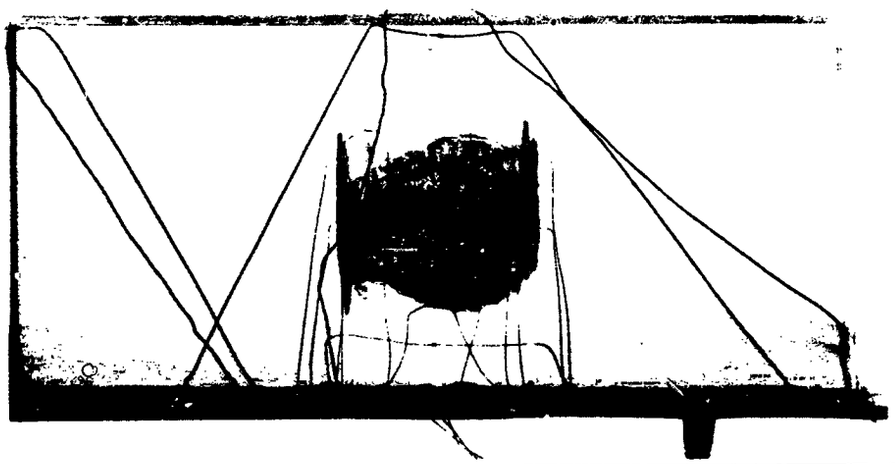
TILE DATA SHEET

Designation TILE A - 2.00" BUTT
USED WITH FWD. FACING STEP

Location Schematic PLUG & TRANSVERSE GAP



X-Ray Photo



T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
2	58	2.0	UPSTREAM SIDE OF GAP
3	59	1.82	
4	60	1.29	
5	61	0.85	
6	62	0.21	
7	63	0.00	
8	64	1.76	PLUG
9	65	1.32	
10	66	0.88	
11	67	0.44	
12	68	0.00	

Figure 2.2-33

TILE A - 2.00" BUTT

USED WITH FORWARD FACING STEP

X-Ray Photo

UPSTREAM SIDE OF TRANSVERSE GAP T/C

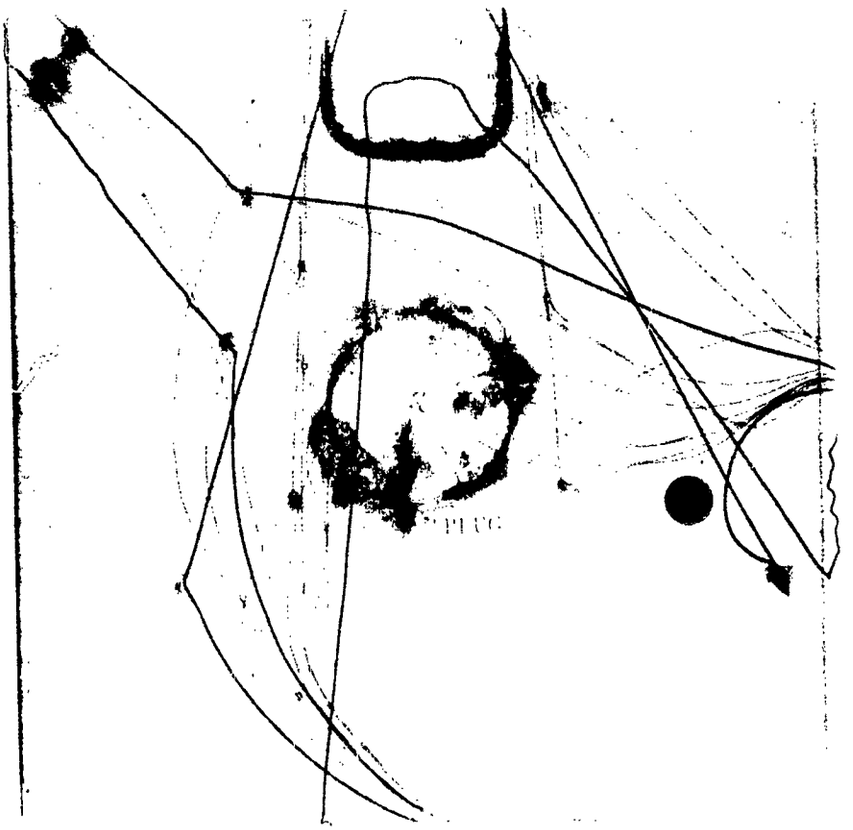
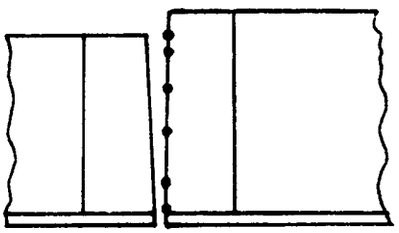


Figure 2.2-34

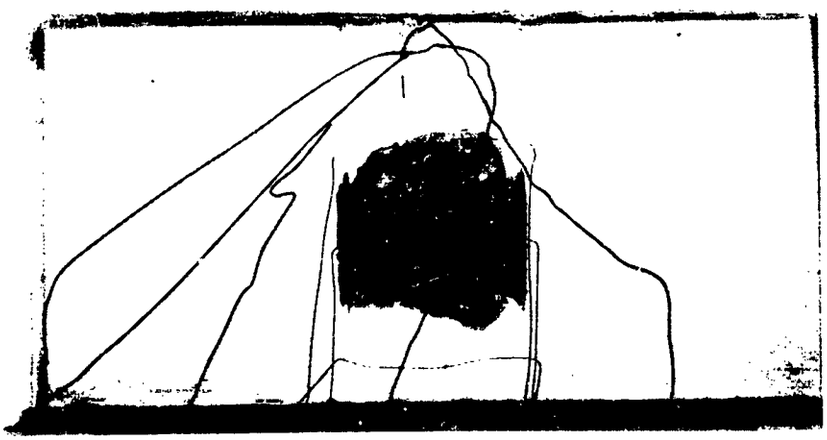
TILE DATA SHEET

Designation TILE D - 2.15" BUTT WITH FWD. FACING STEP

Location Schematic TRANSVERSE GAP



X-Ray Photo

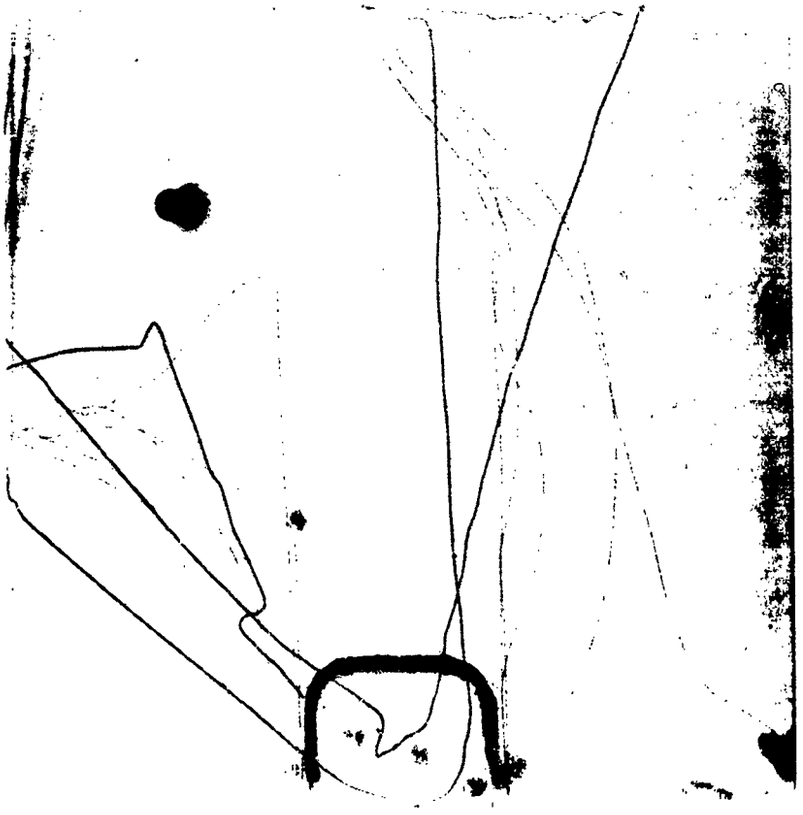


T/C No.	Facility Channel No.	Location From HCF Bondline (Inch)	Comments
28	92	2.00	DOWNSTREAM SIDE OF GAP
29	93	1.91	
30	94	1.37	
31	95	.84	
32	96	.19	
33	97	0.0	

Figure 2.2-35

TILE 3 - 2.15" BUTT
USED WITH FORWARD FACING STEP

X-Ray Photo



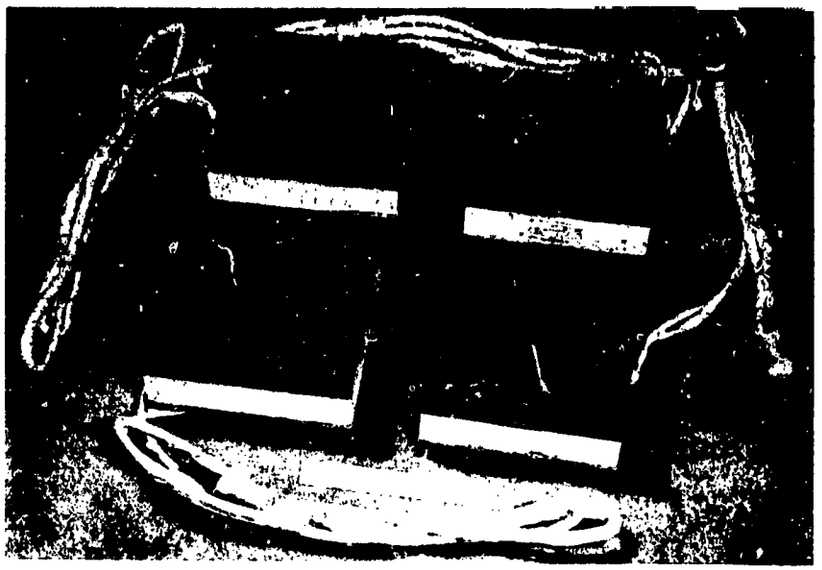
DOWNSTREAM SIDE OF TRANSVERSE GAP T/C

Figure 2.2-36

2.3 PHOTOGRAPHS

2.3 PHOTOGRAPHS OF MODELS

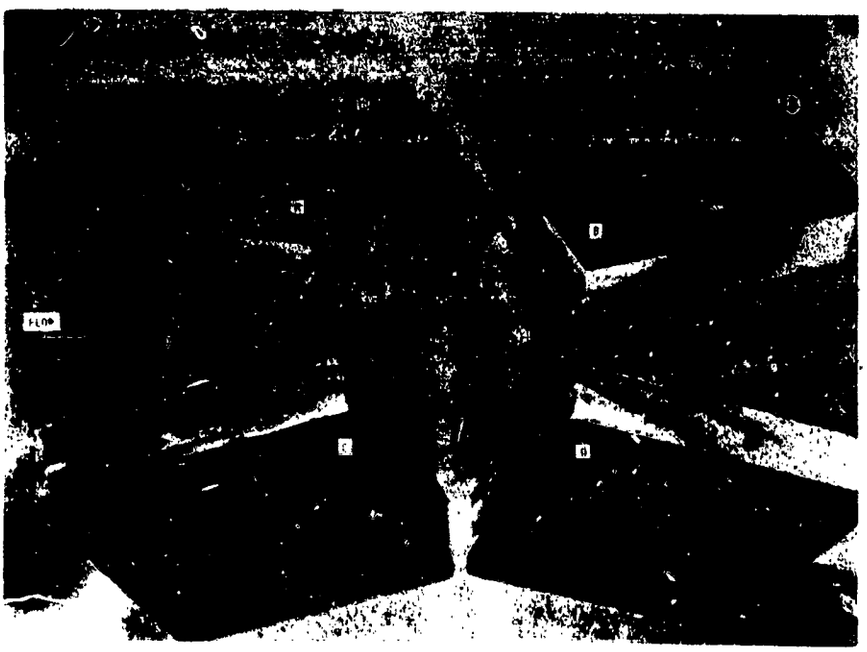
Typical photographs of RSI gap models are contained in this section. As can be seen some of the tiles (four tiles constitute a set) have a low emittance (white in appearance) while others have a high emittance coating (black in appearance). Thermocouples positioned on the faces of the tiles are evident in these photographs. Some photographs show the before test condition of the tiles while others are post test and show the flow patterns in the gaps. It is apparent that three-dimensional flow resulted from the intersection of the in-line and transverse gaps. The depth of plasma flow penetration at the tile intersection is very much evident.



1.25 INCH TILE THICKNESS

PLASMA WEDGE SPECIMENS – TAPERED BUTT JOINT
Pretest Condition

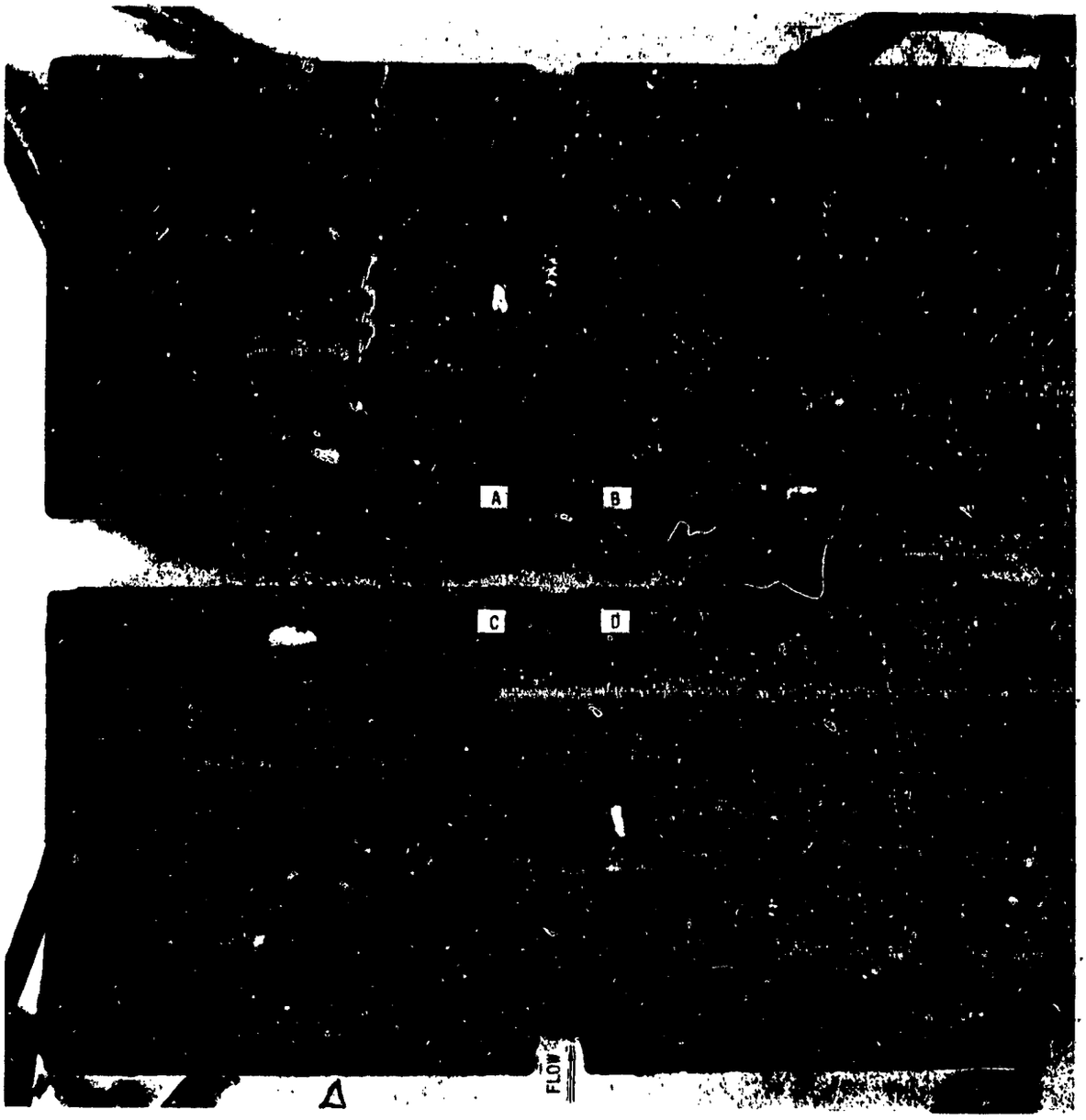
Figure 2.3-1



1.25 INCH TILE THICKNESS

PLASMA WEDGE SPECIMENS – TAPERED BUTT JOINT
Post Test Condition

Figure 2.3-2



1.25 INCH TILE THICKNESS

PLASMA WEDGE SPECIMENS – TAPERED BUTT JOINT
Post Test Condition

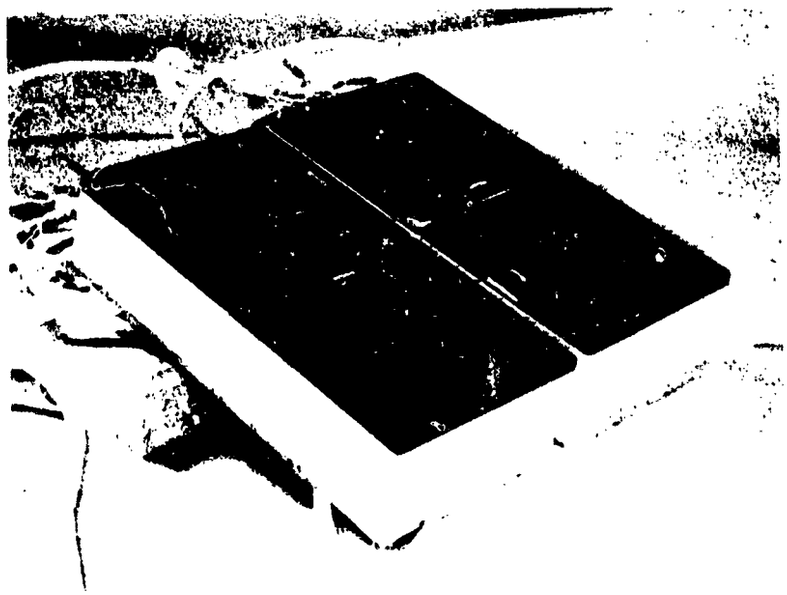
Figure 2.3-3



2.00 INCH TILE THICKNESS

PLASMA WEDGE SPECIMENS – TAPERED BUTT JOINT
Pretest Condition

Figure 2.3-4



2.00 INCH TILE THICKNESS
TAPERED BUTT JOINT WITH 0.15 INCH FORWARD FACING STEP

PLASMA WEDGE SPECIMENS
Pretest Condition

Figure 2.3-5



TILE A, C THICKNESS: 2.00 INCHES
TILE B, D THICKNESS: 2.15 INCHES

PLASMA WEDGE SPECIMENS – TAPERED BUTT JOINT WITH FORWARD FACING STEP
Post Test Condition

Figure 2.3-6



TILE A, C THICKNESS 2.00 INCHES
TILE B, D THICKNESS 2.15 INCHES

PLASMA WEDGE SPECIMENS –TAPERED BUTT JOINT WITH FORWARD FACING STEP
Post Test Condition

Figure 2.3-7

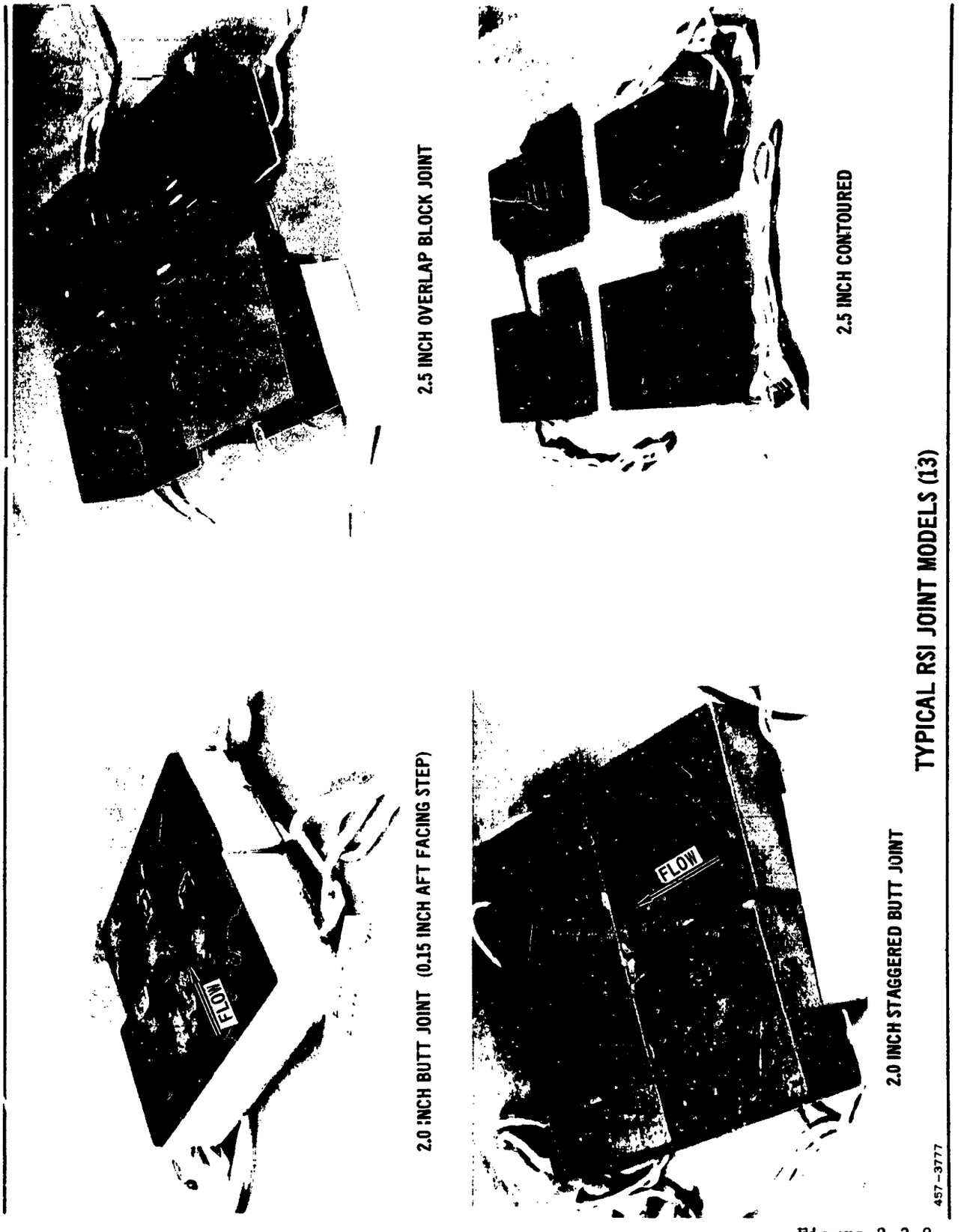

2.5 INCH OVERLAP BLOCK JOINT
2.5 INCH CONTOURED
2.0 INCH BUTT JOINT (0.15 INCH AFT FACING STEP)
FLOW
2.0 INCH STAGGERED BUTT JOINT
FLOW
TYPICAL RSI JOINT MODELS (13)
457-3777

Figure 2.3-8

2.4 TEMPERATURE RESPONSES

2.4 THERMOCOUPLE TEMPERATURE RESPONSE

Typical temperature response curves for the thermocouples up to 33 which were installed in each are contained in Figures 2.4-1 through 2.4-88. The majority of thermocouple data is presented in these figures. Computer listings of all thermocouple responses were prepared by MDAC-E during the course of analyzing data. The tabs are bulky and are not included for that reason.

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH BUTT JOINT, 0.05 INCH GAP

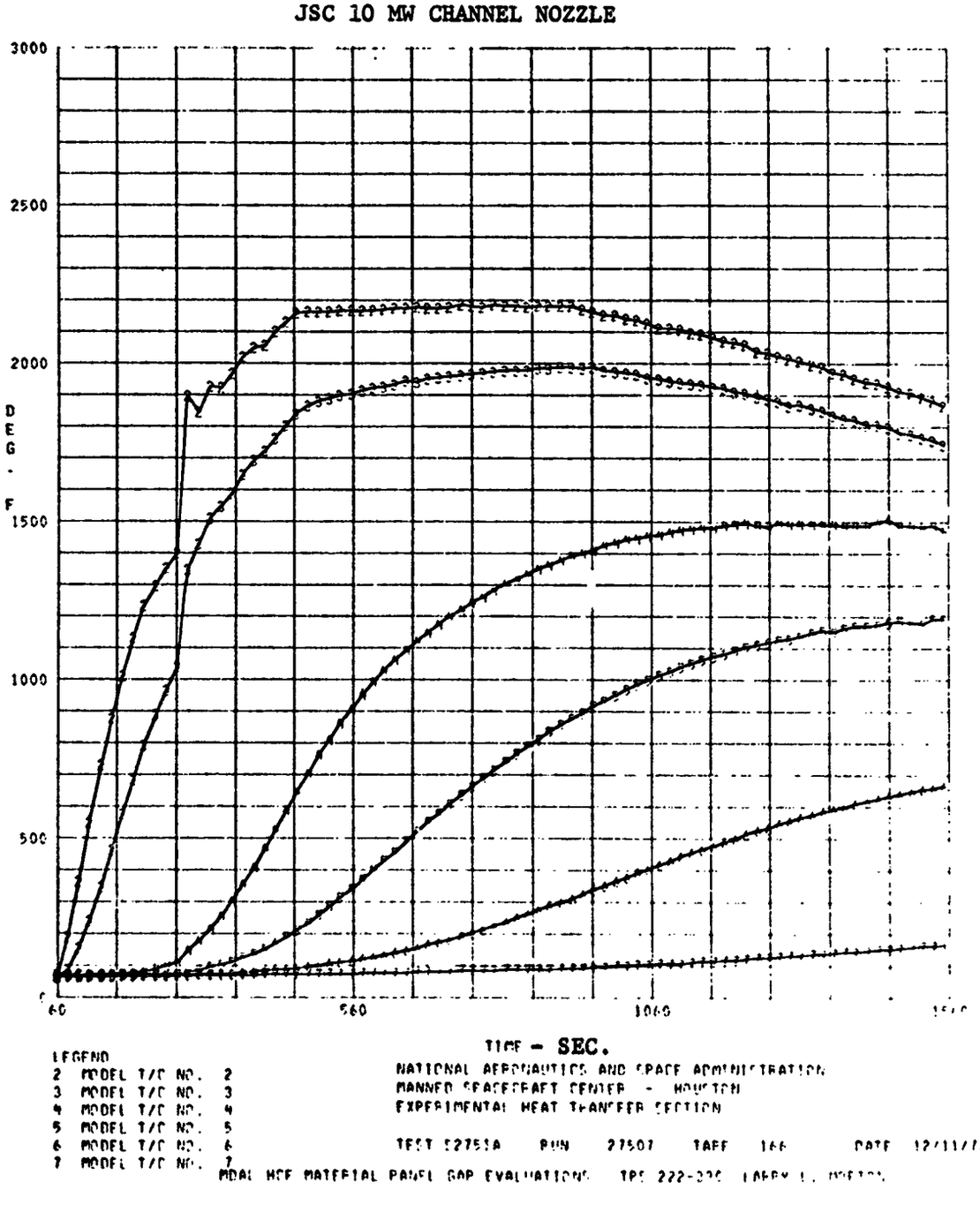


Figure 2.4-1

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 2.50 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

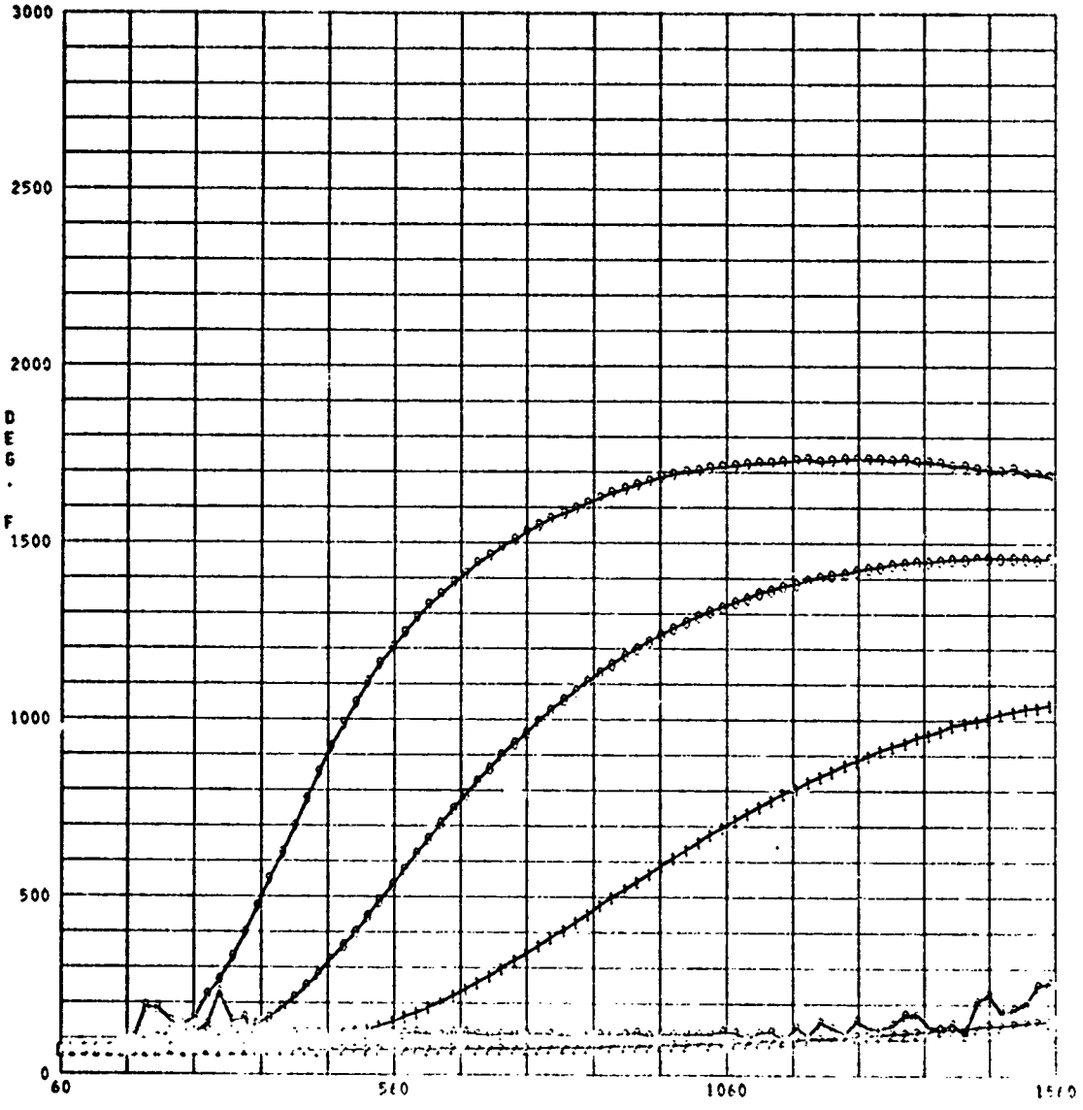


Figure 2.4-2

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH BUTT JOINT, 0.05 INCH GAP

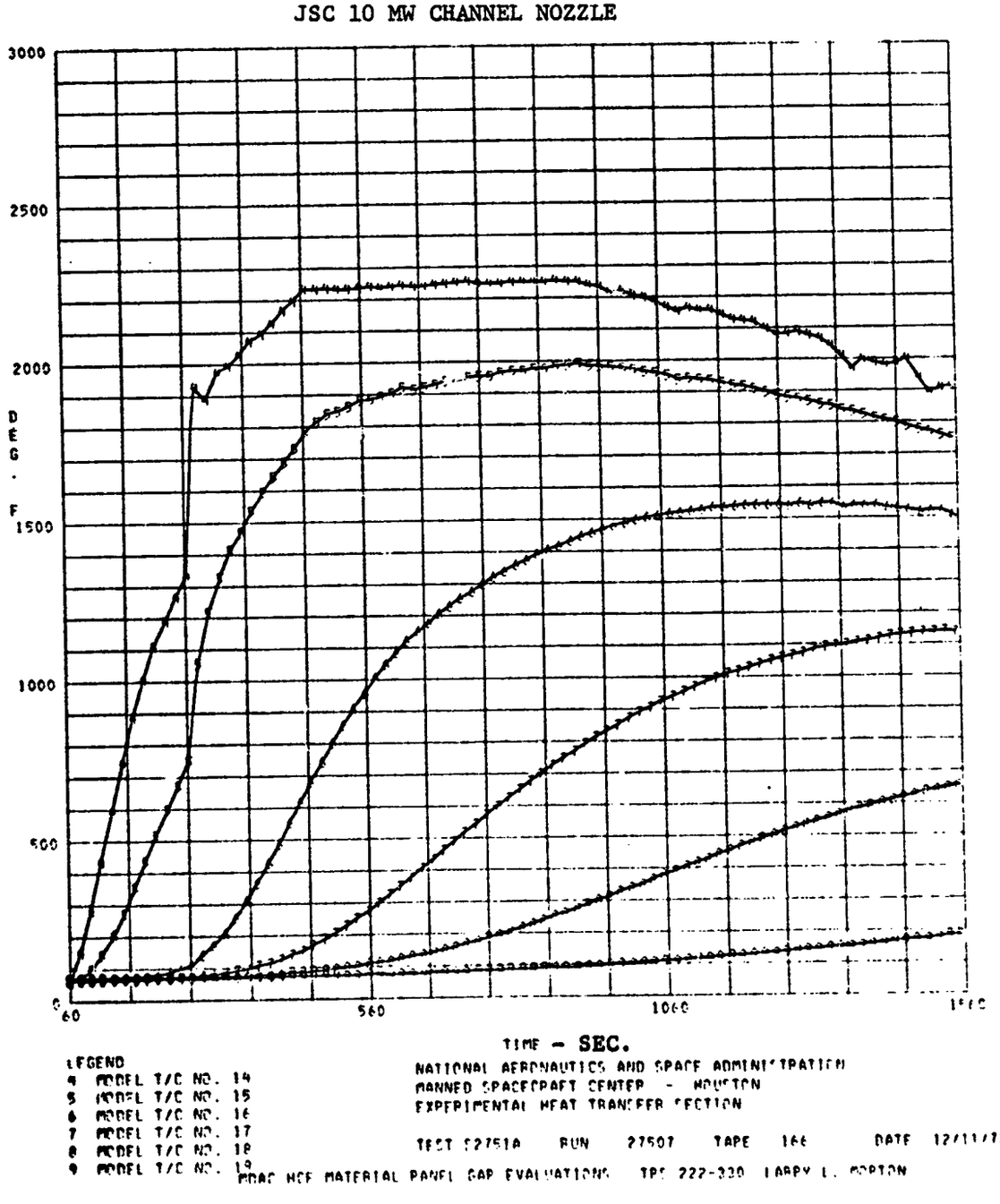


Figure 2.4-3

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

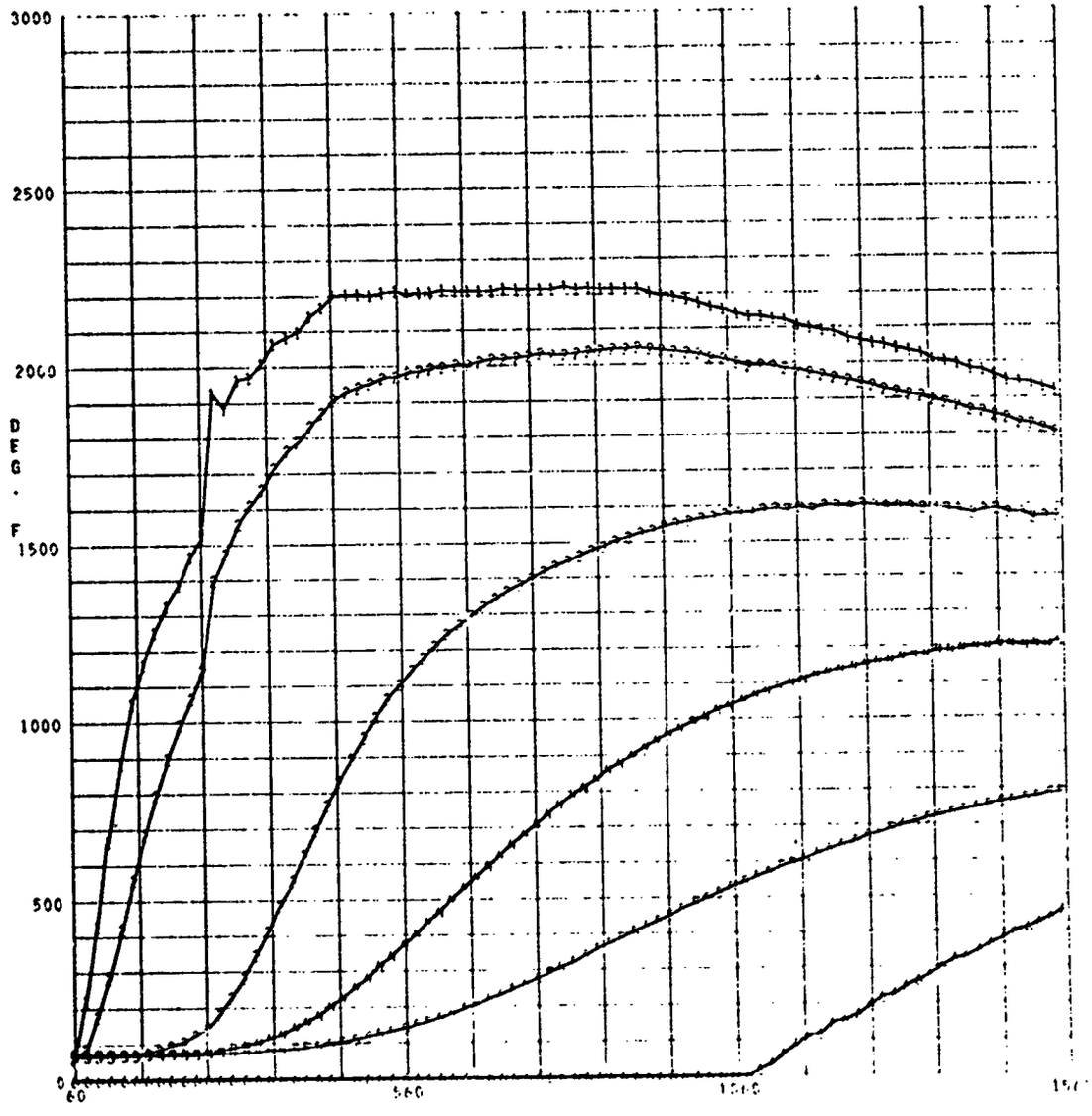


Figure 2.4-4

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.50 INCH BUTT JOINT, 0.05 INCH GAP

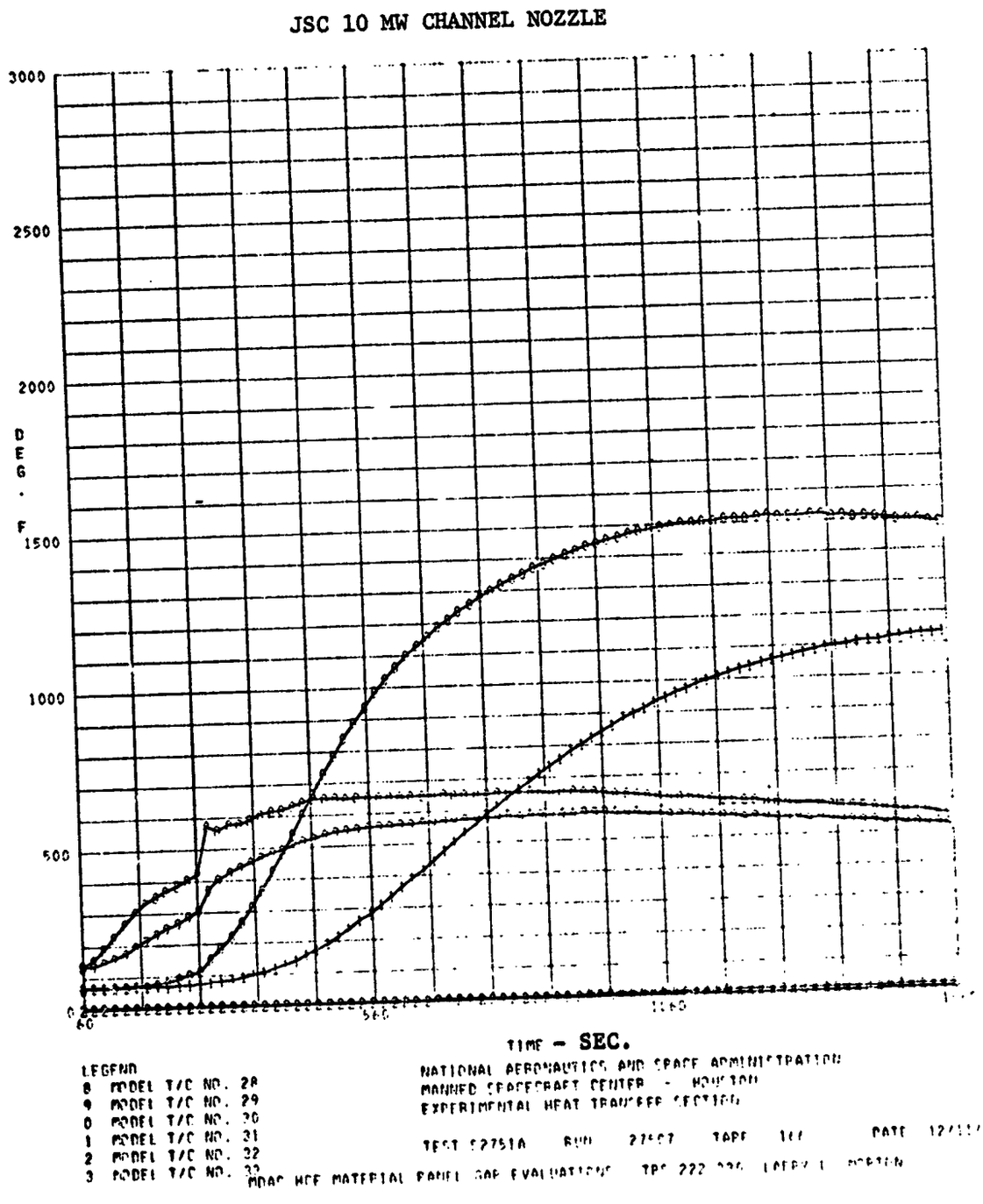


Figure 2.4-5

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

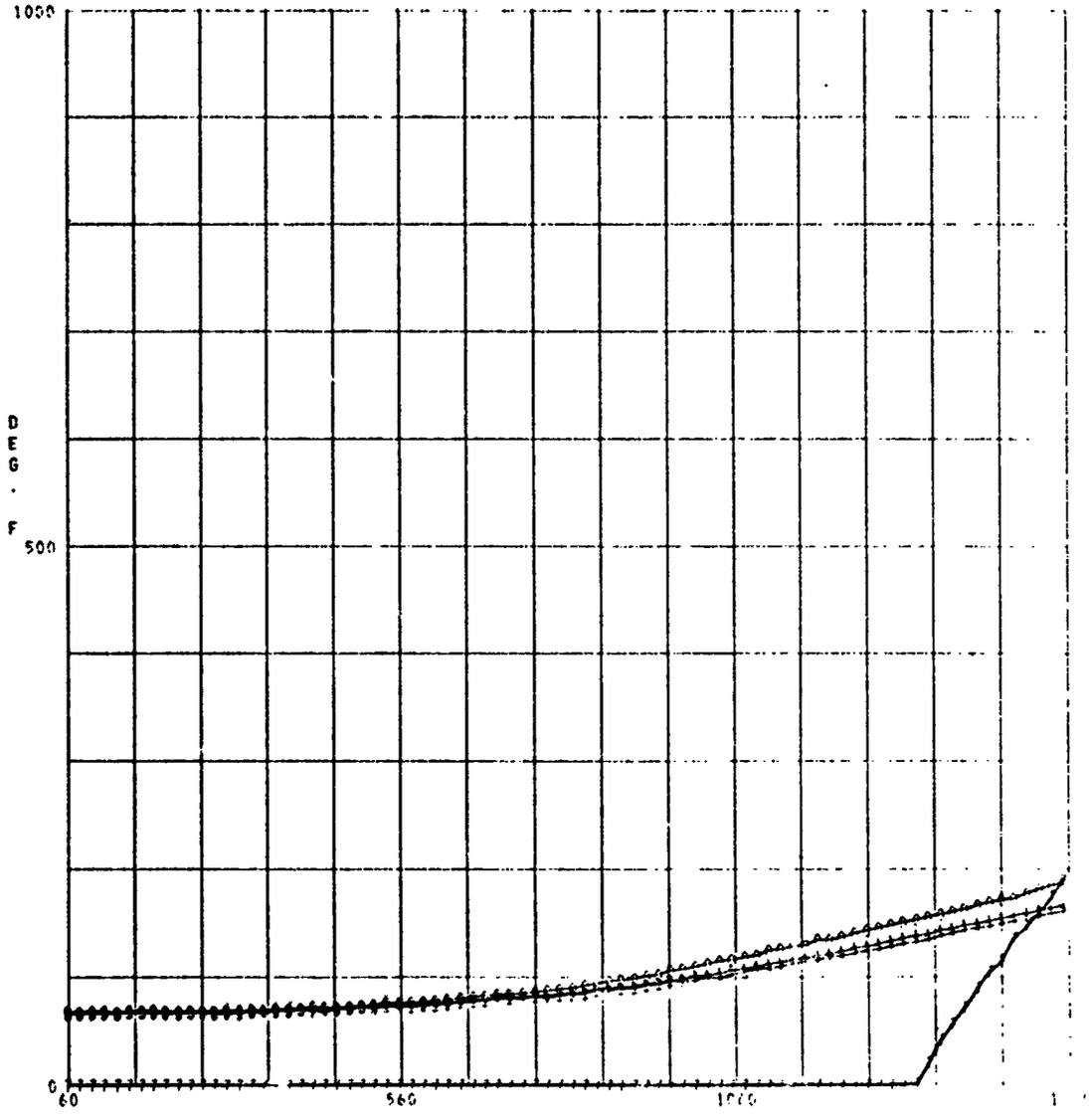


Figure 2.4-6

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH BUTT JOINT, 0.10 INCH GAP

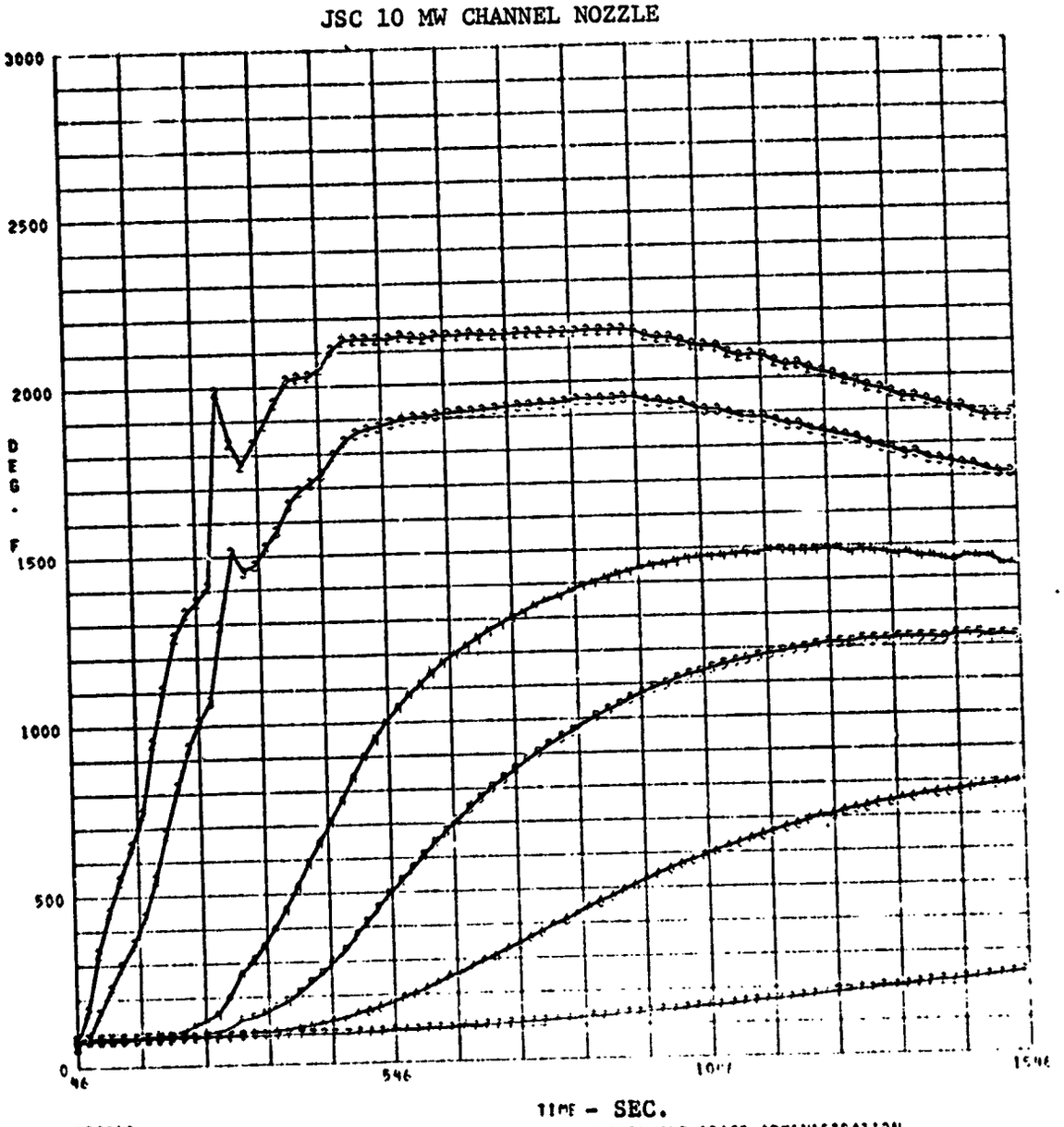


Figure 2.4-7

QUALITY OF THE ORIGINAL PAGE IS POOR.

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH BUTT JOINT, 0.10 INCH GAP

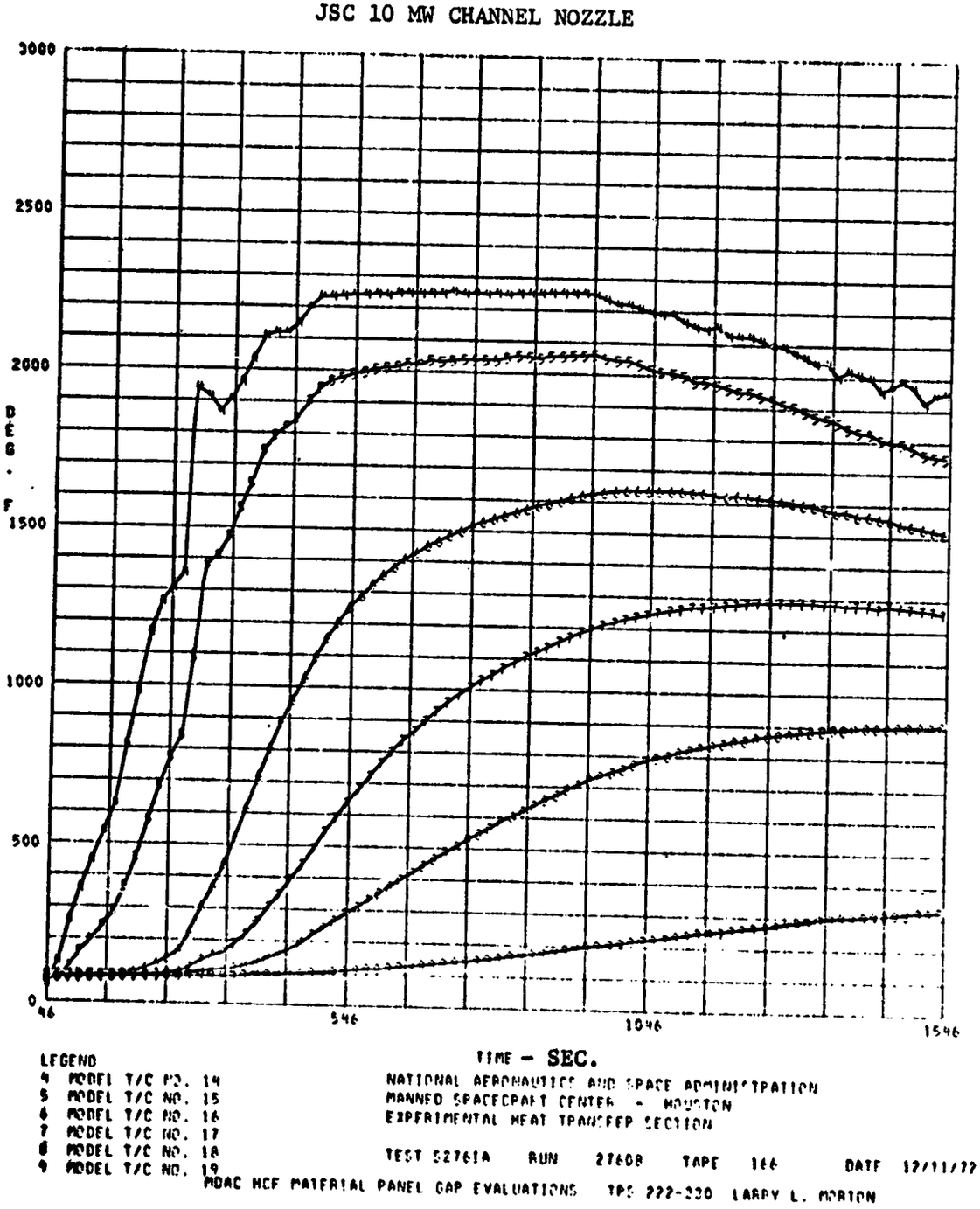


Figure 2.4-8

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH BUTT JOINT, 0.10 INCH GAP

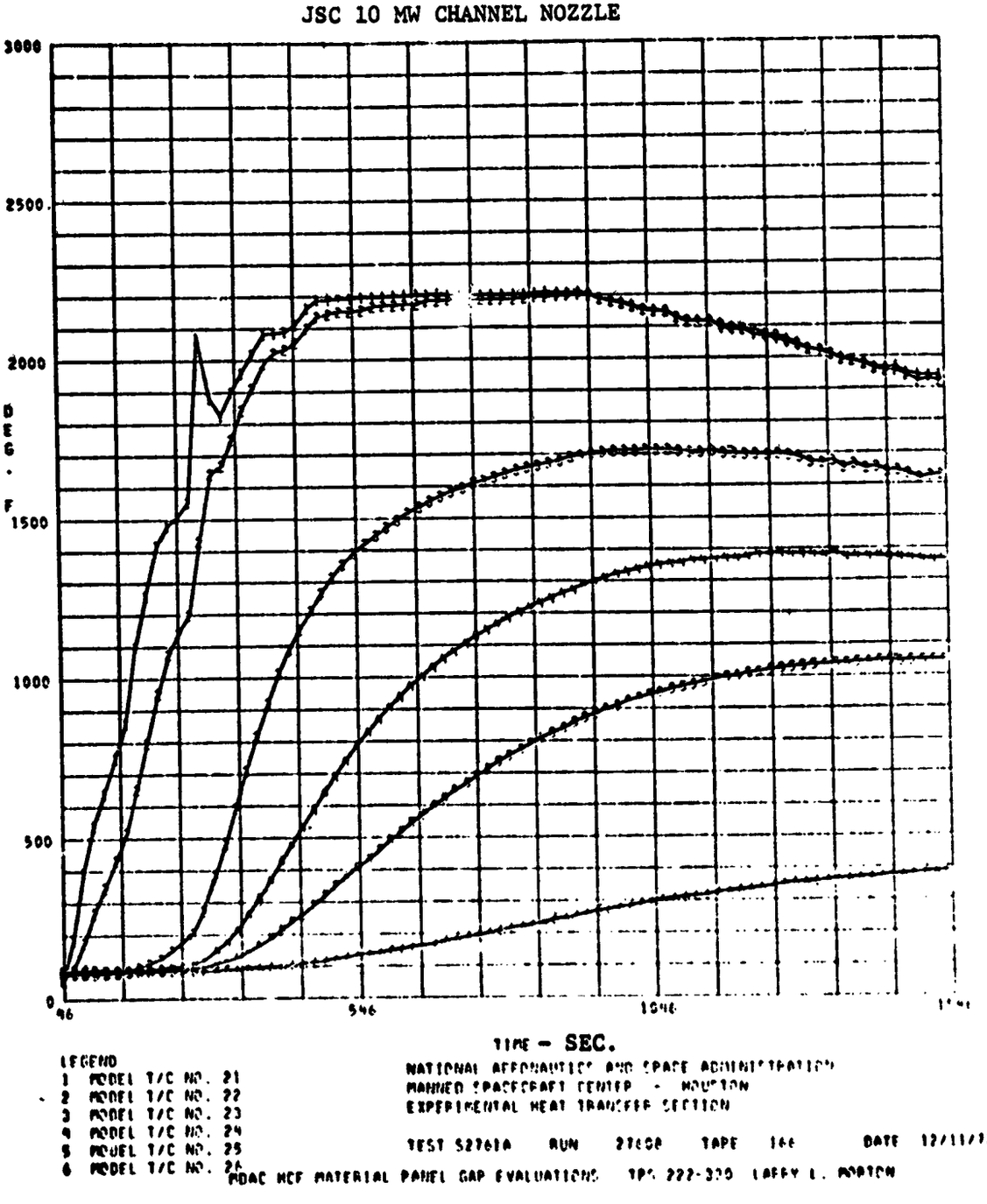


Figure 2.4-9

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.50 INCH BUTT JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

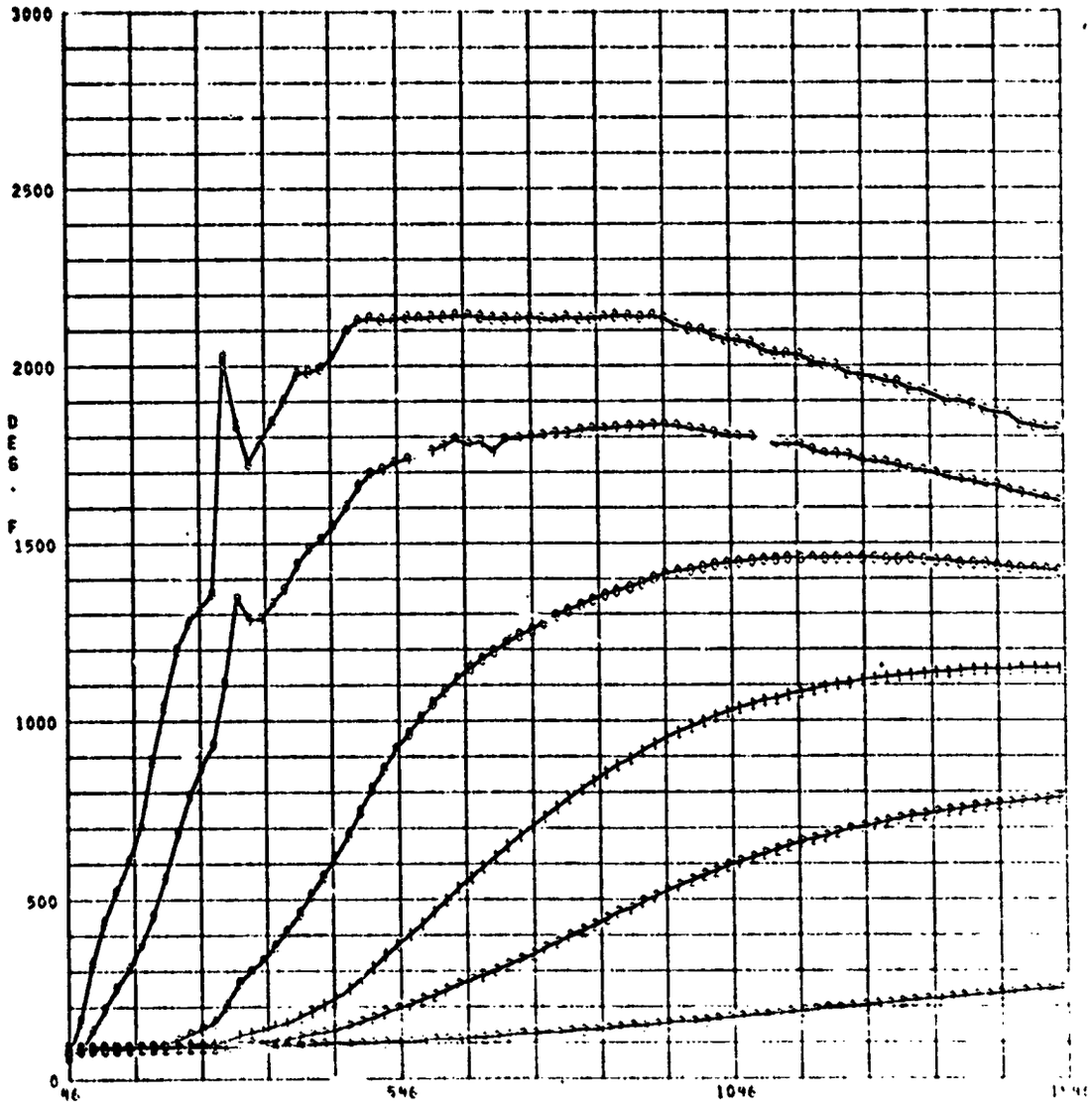


Figure 2.4-10

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH BUTT JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

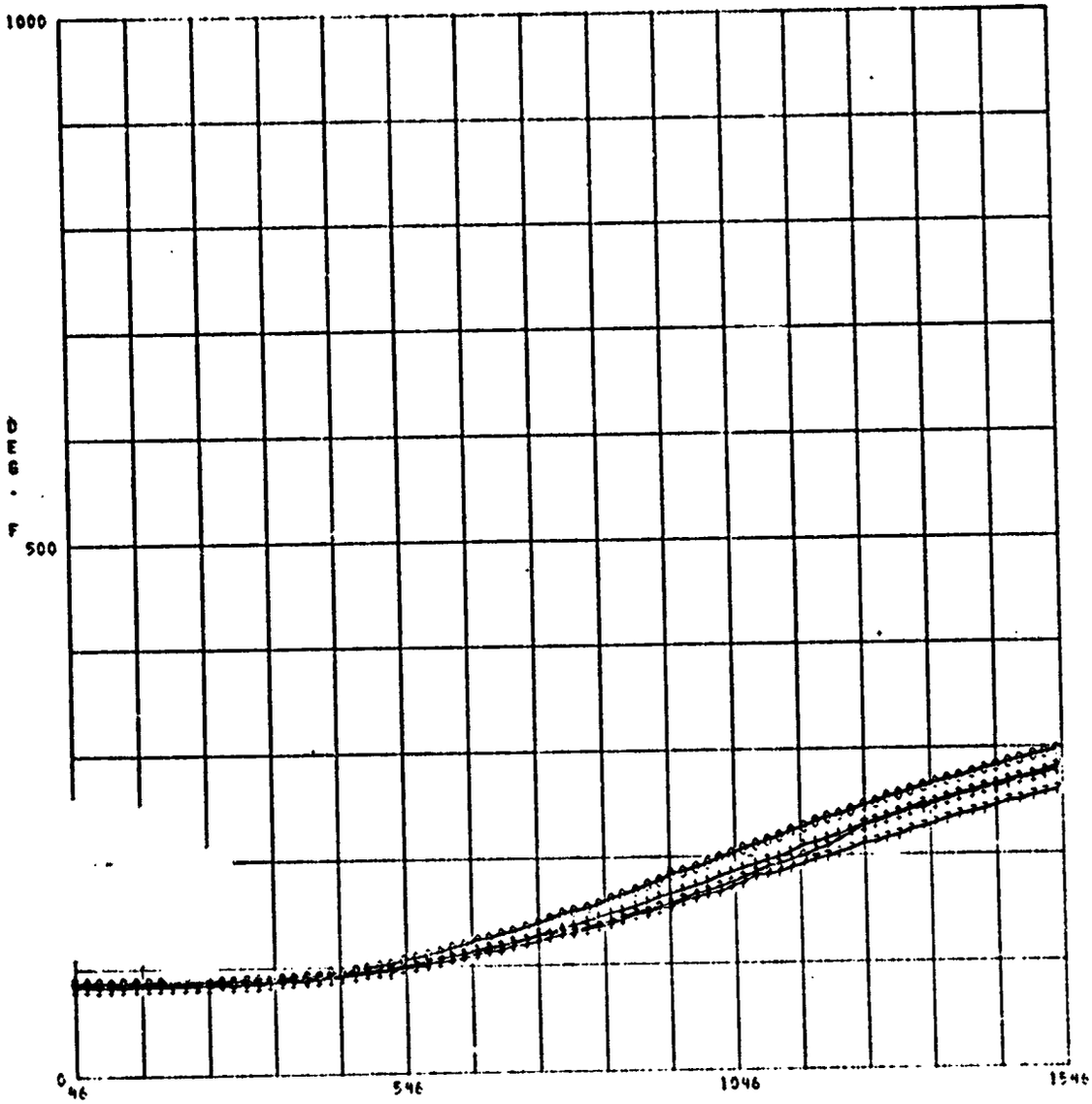


Figure 2.4-11

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

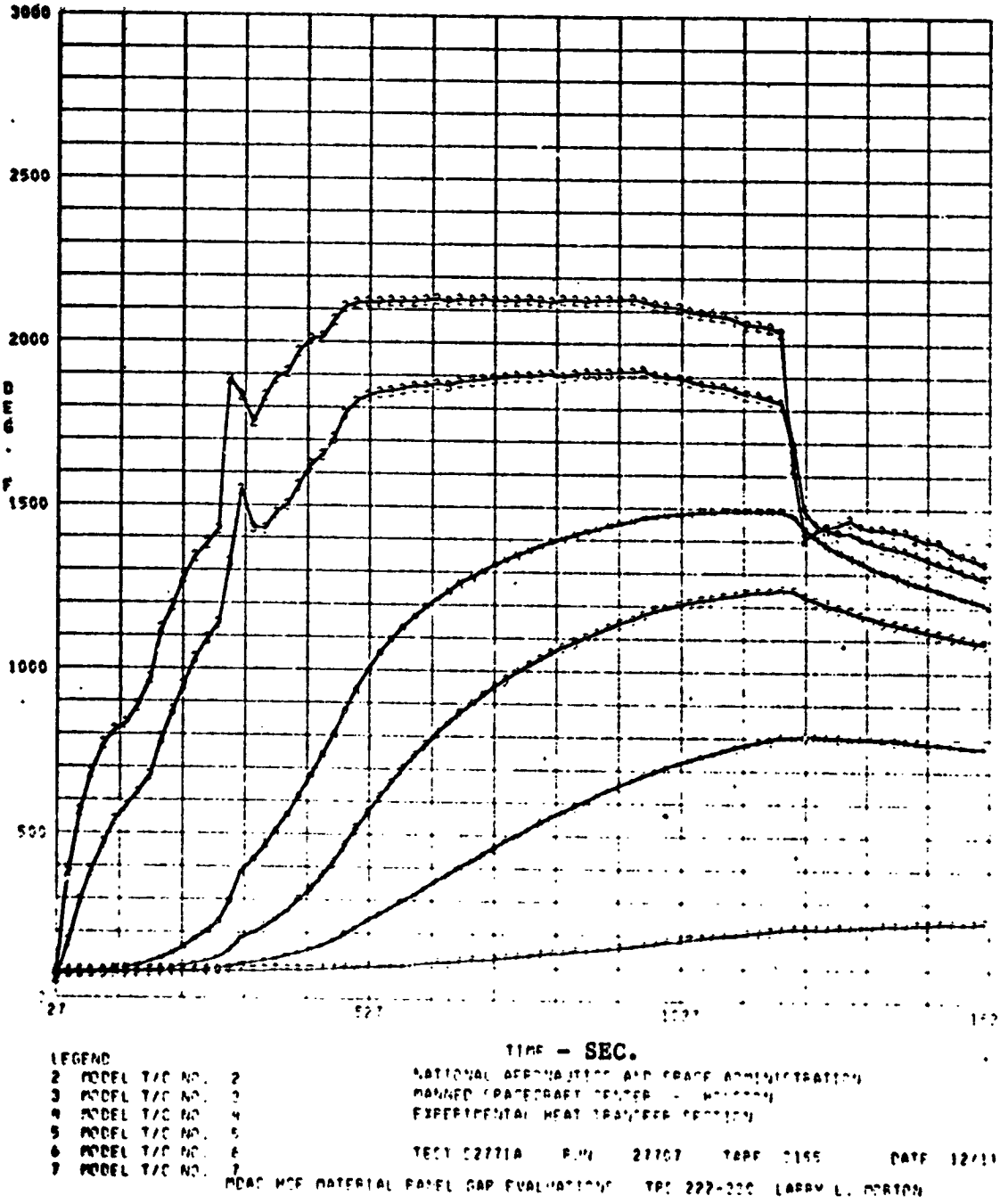


Figure 2.4-12

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH BUTT JOINT, 0.15 INCH GAP

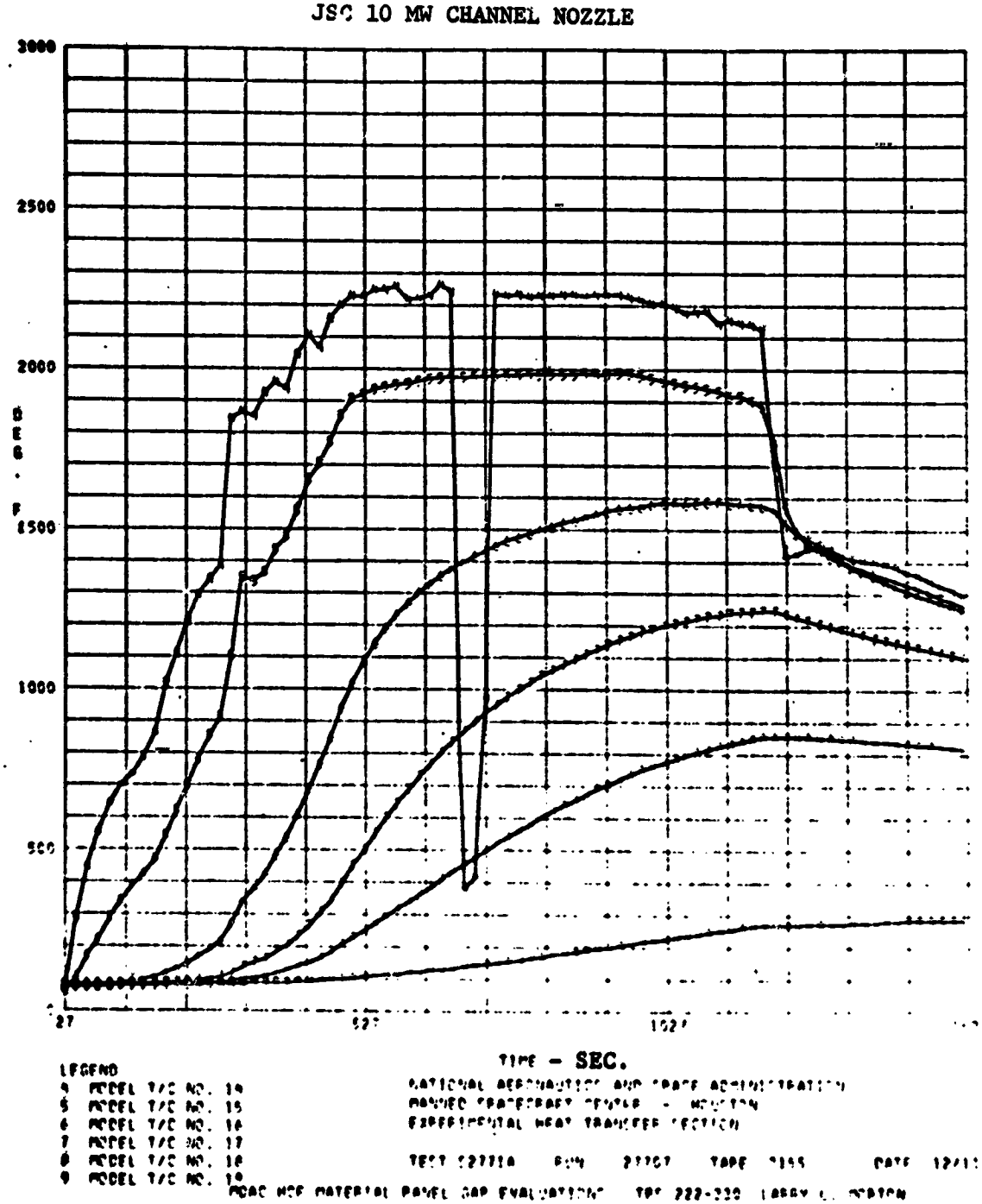


Figure 2.4-13

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

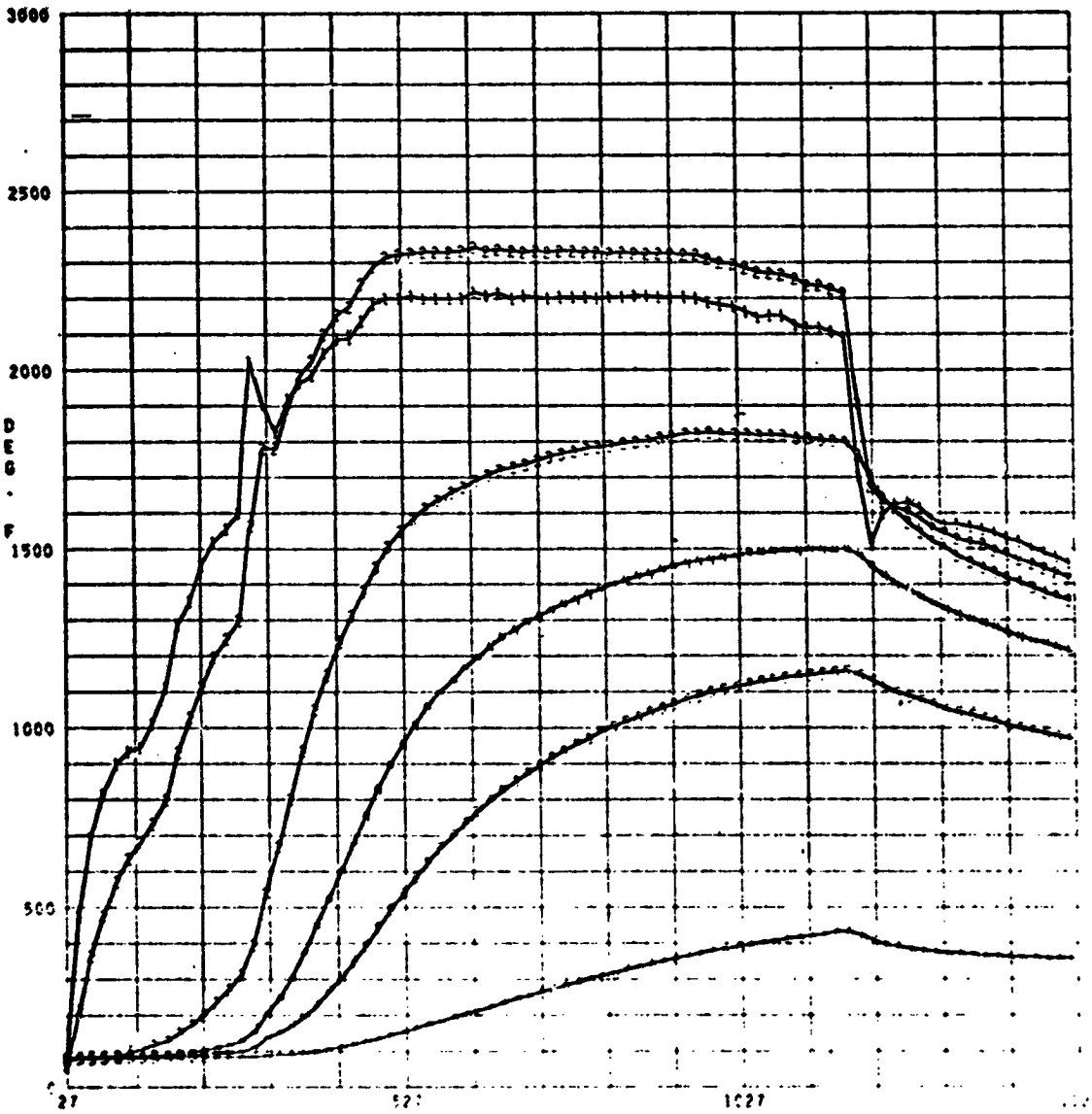


Figure 2.4-14

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.50 INCH BUTT JOINT, 0.15 INCH GAP

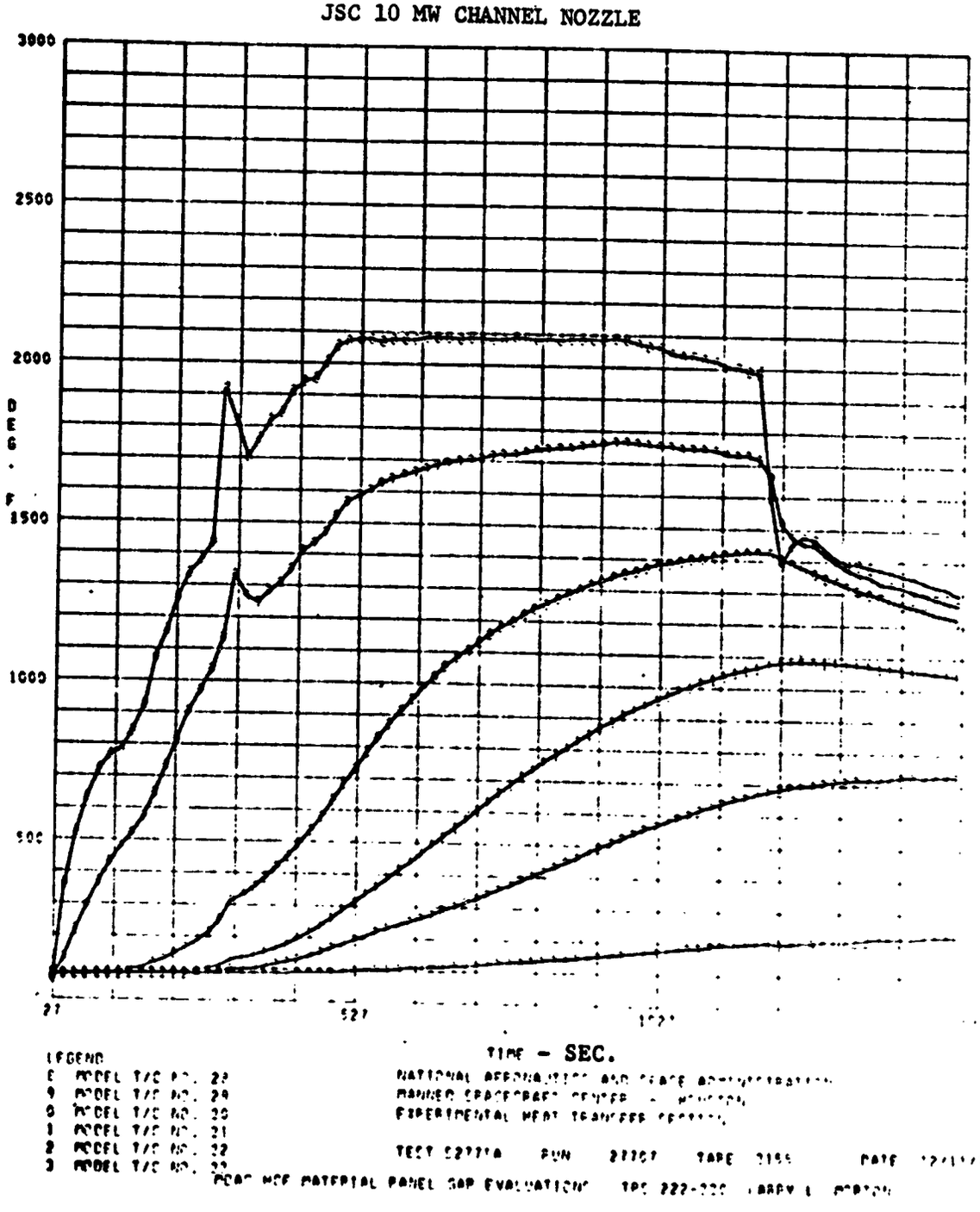


Figure 2.4-15

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH BUTT JOINT, 0.15 INCH GAP

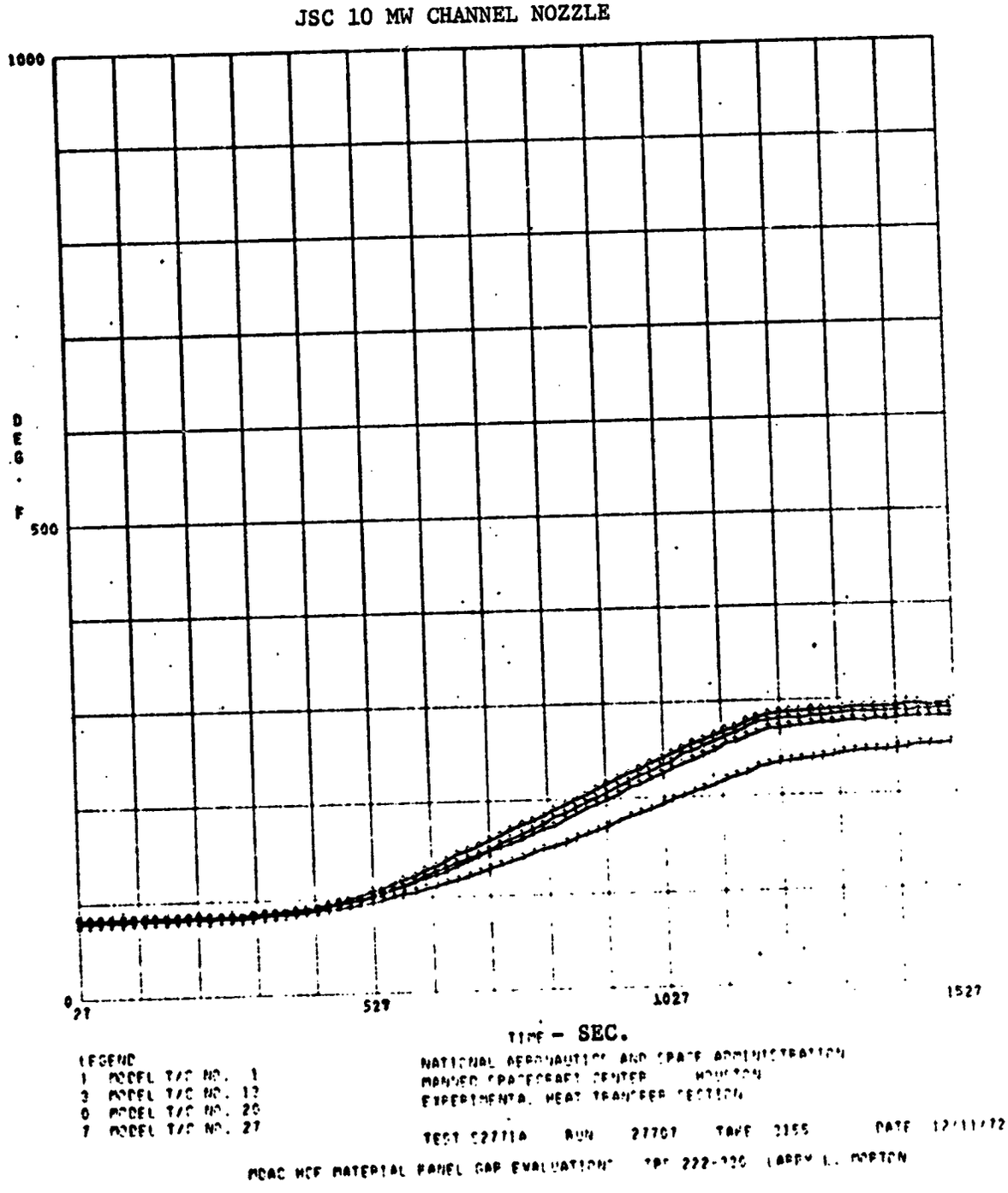


Figure 2.4-16

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.00 INCH BUTT JOINT, 0.10 INCH GAP

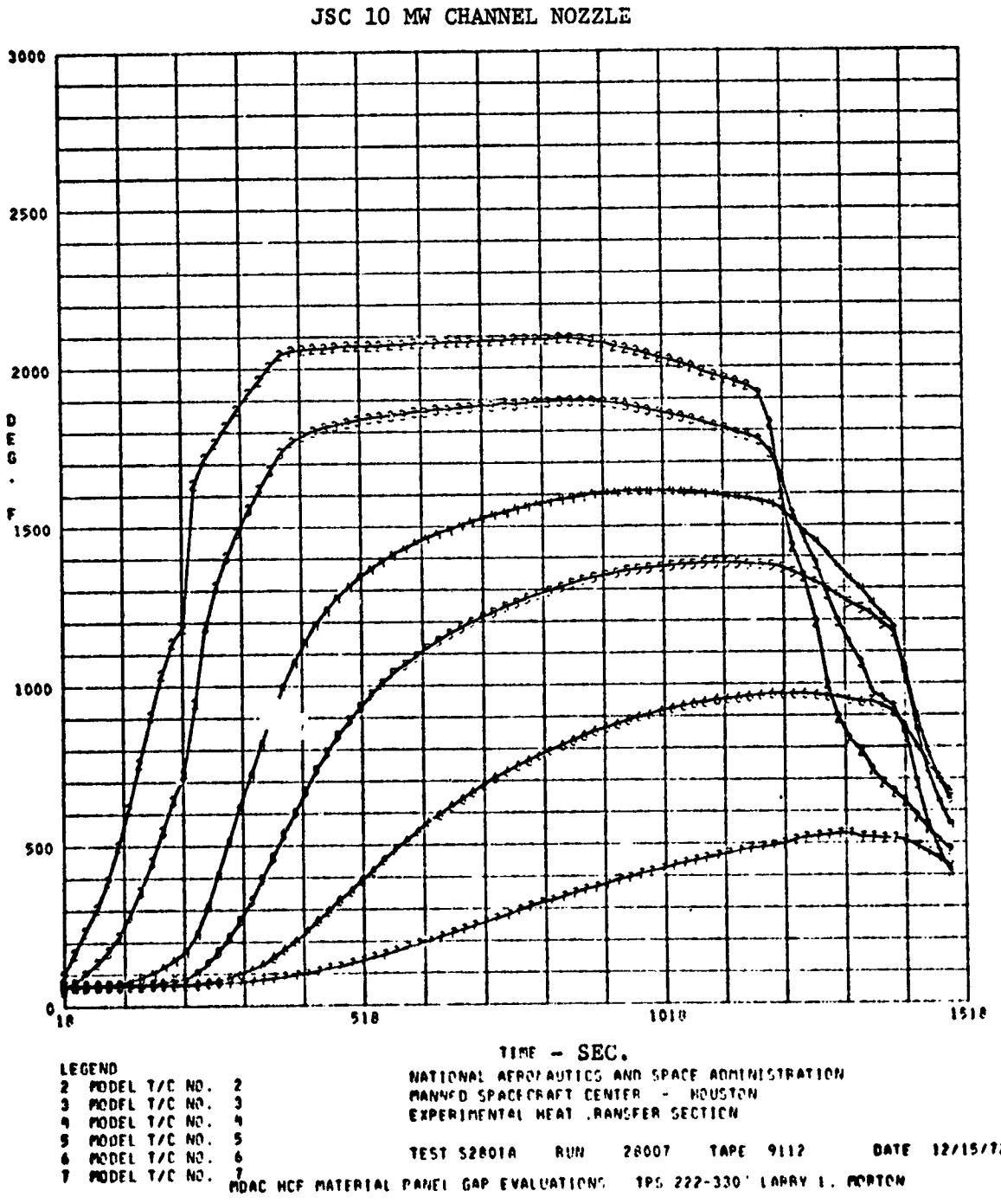


Figure 2.4-17

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.00 INCH BUTT JOINT, 0.10 INCH GAP

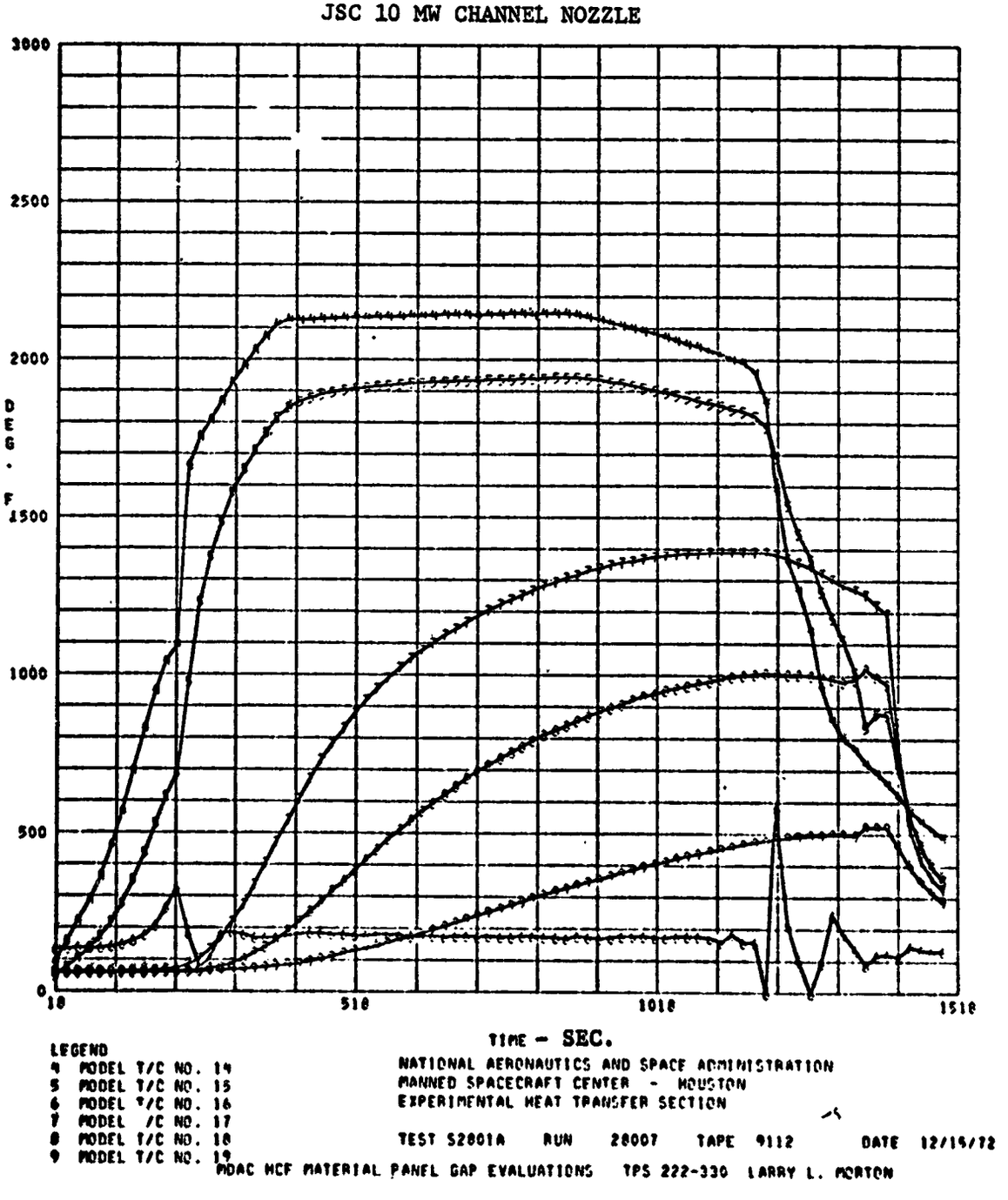


Figure 2.4-18

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.00 INCH BUTT JOINT, 0.10 INCH GAP

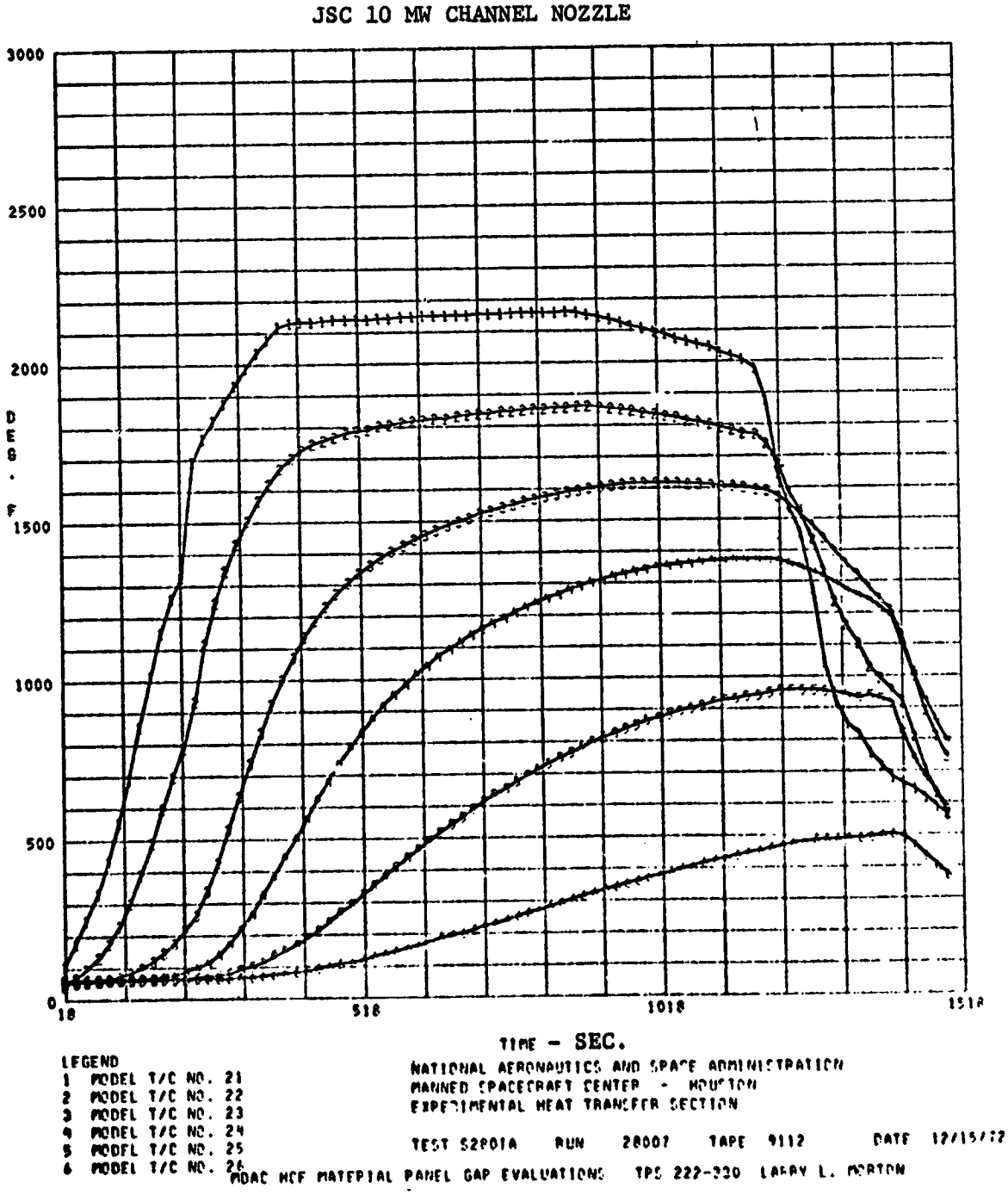


Figure 2.4-19

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.00 INCH BUTT JOINT, 0.10 INCH GAP

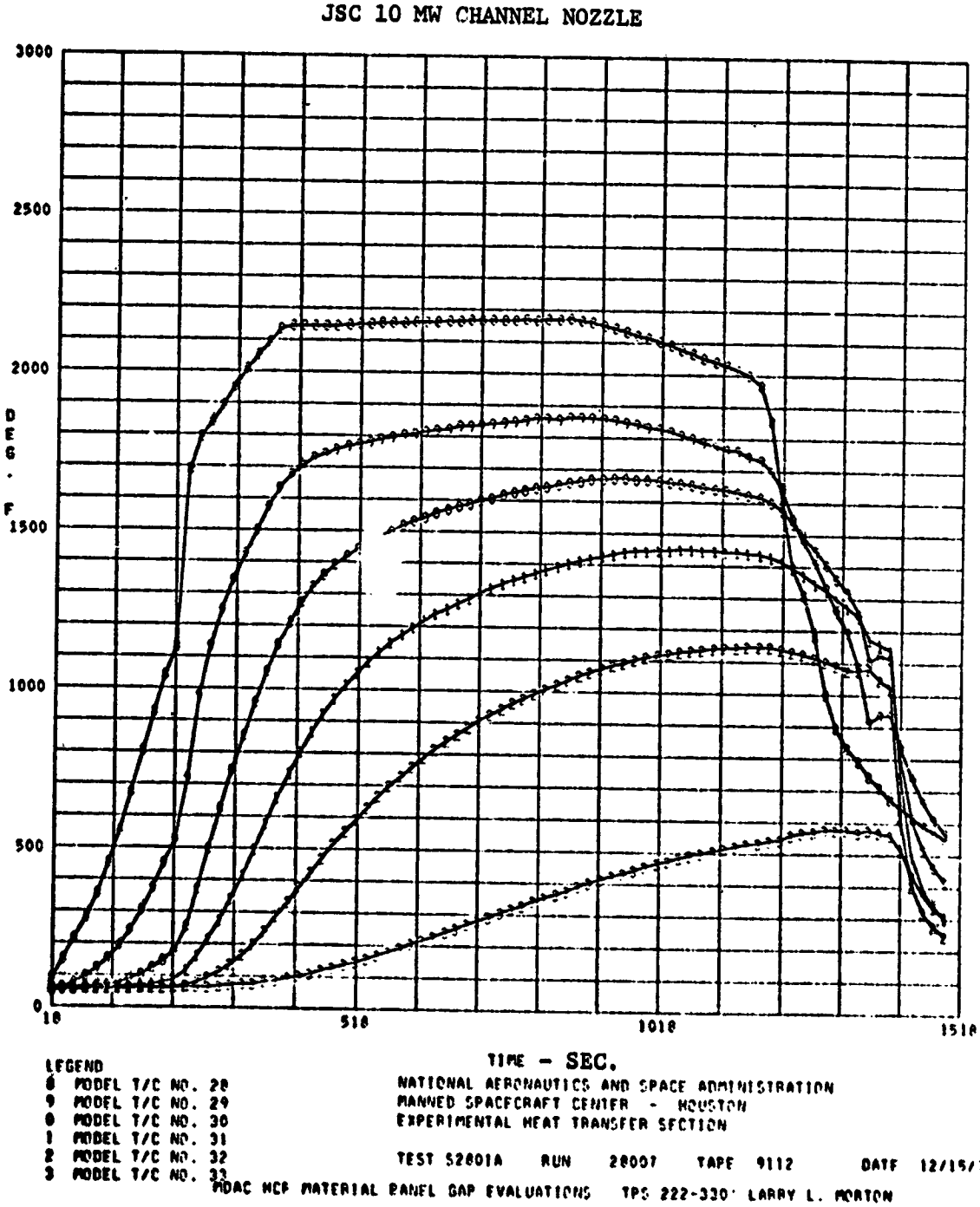


Figure 2.4-20

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL). 2.00 INCH BUTT JOINT, 0.10 INCH GAP

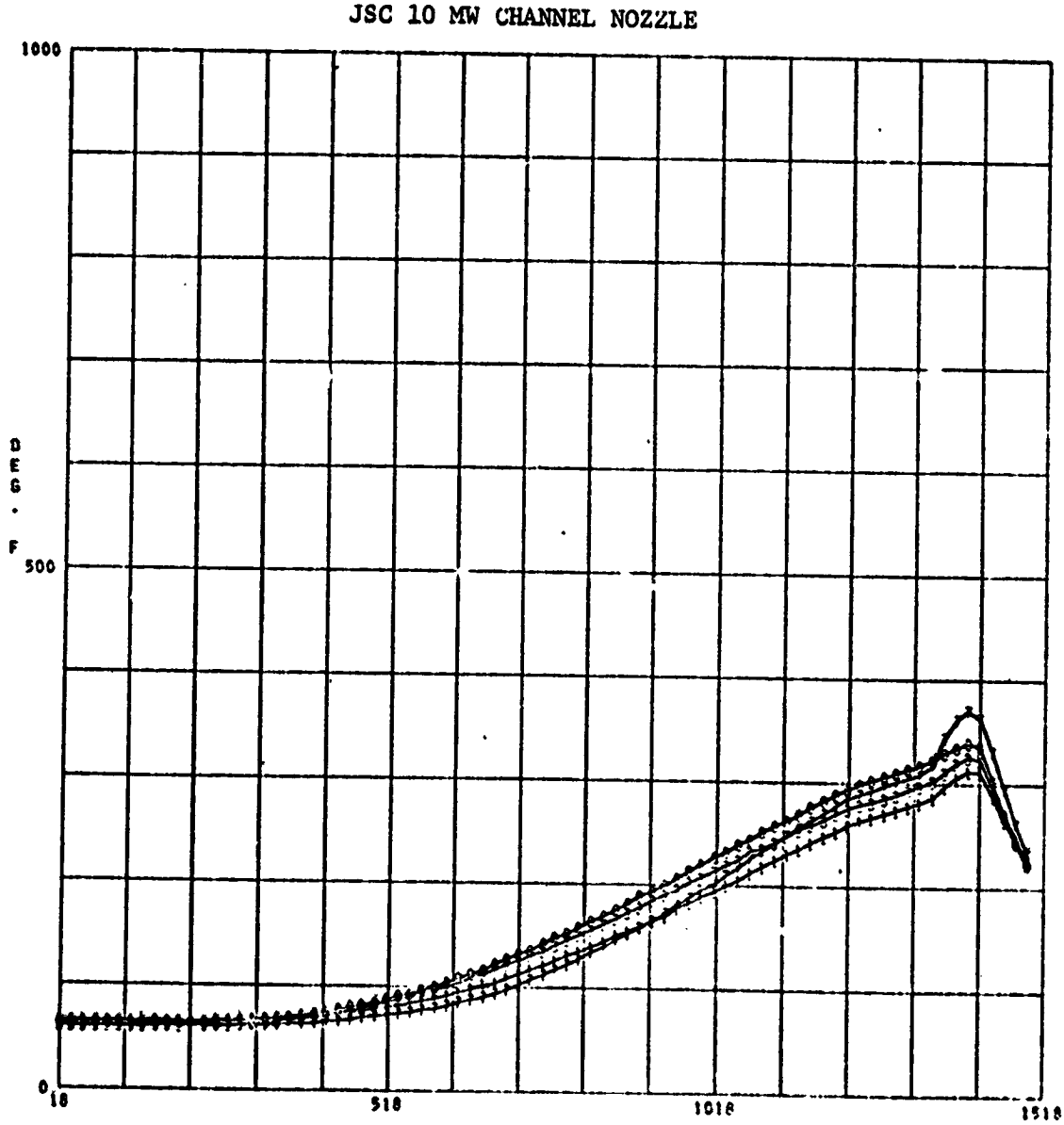


Figure 2.4-21

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.00 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

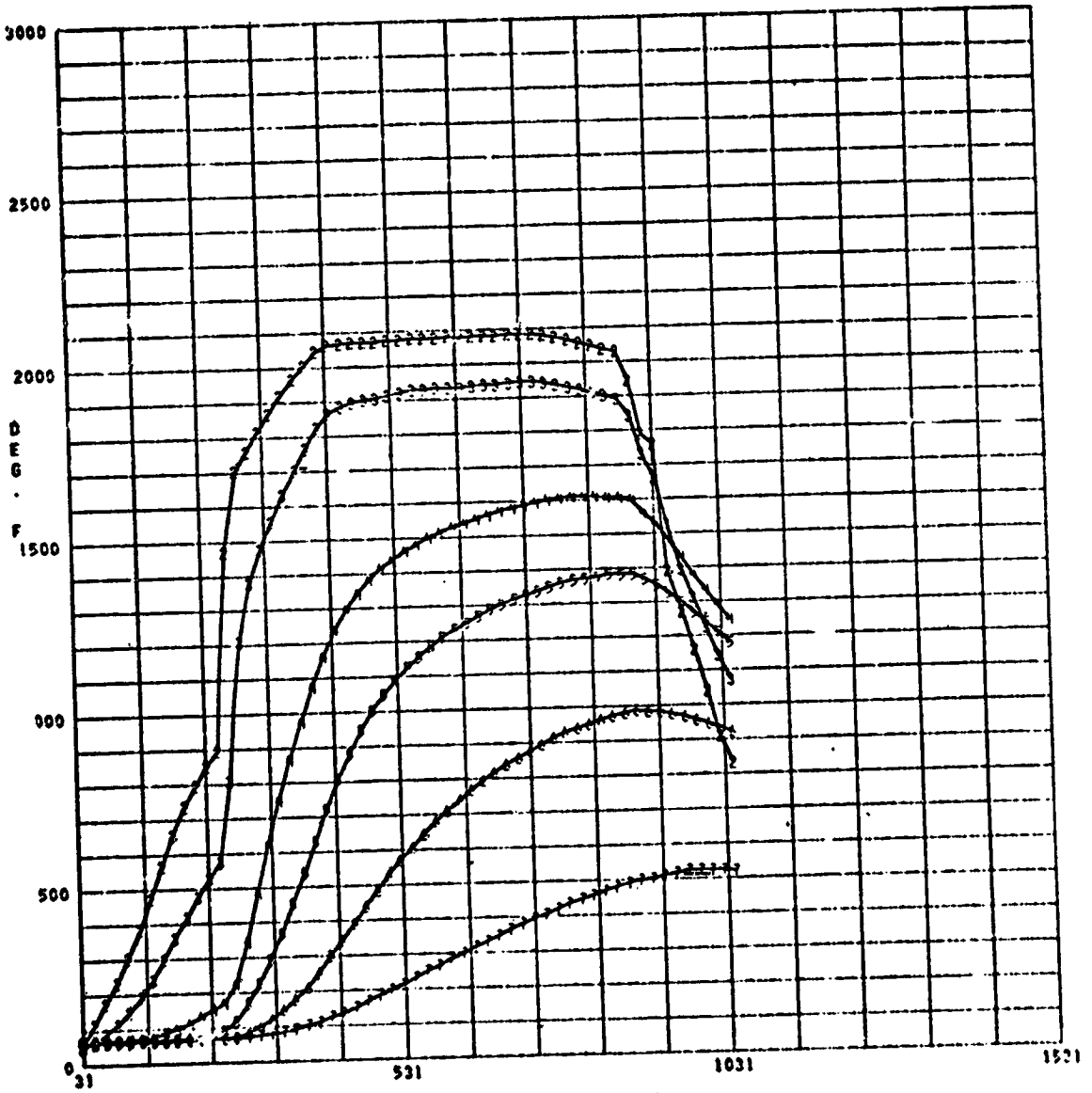


Figure 2.4-22

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.00 INCH BUTT JOINT, 0.15 INCH GAP

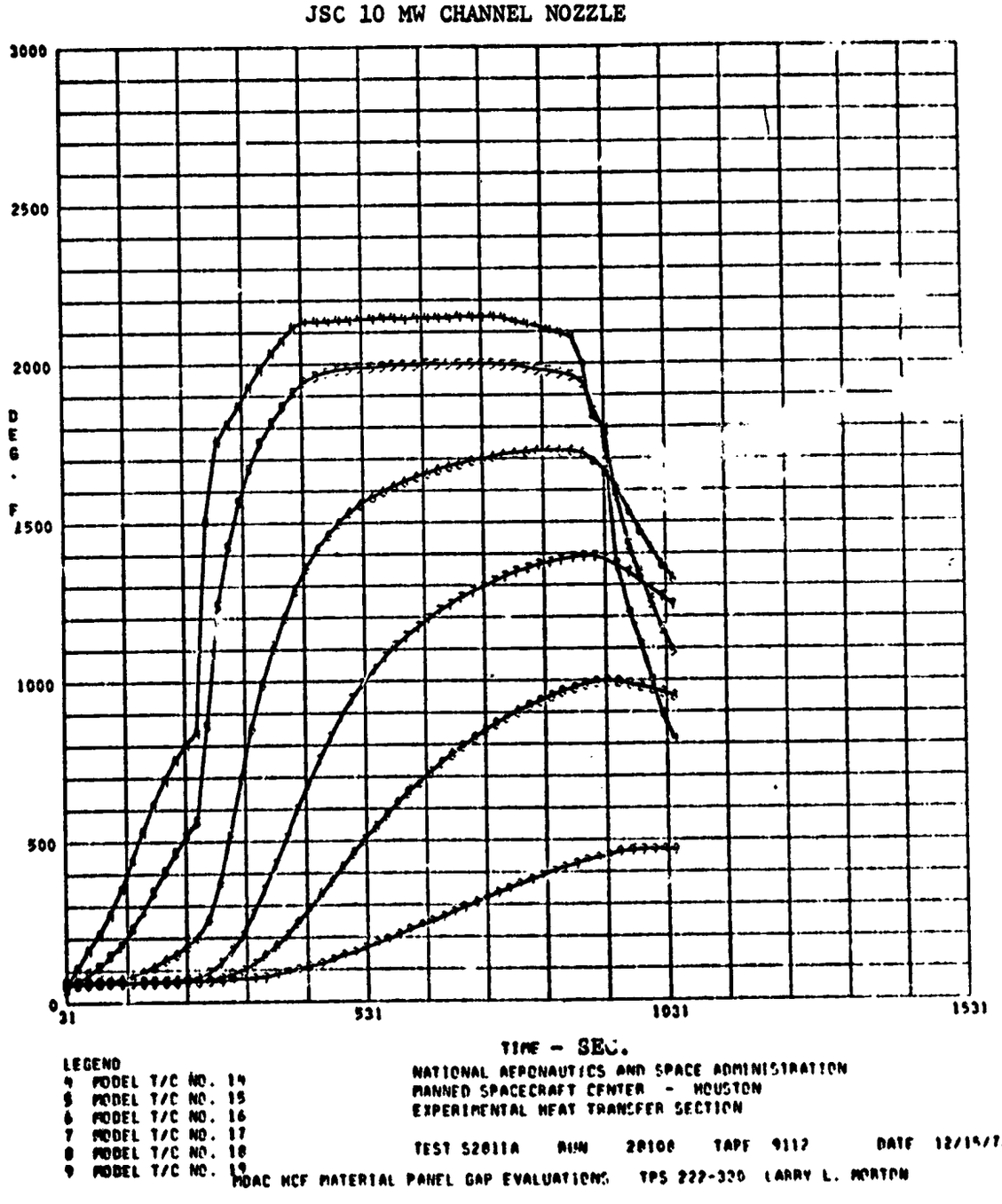


Figure 2.4-23

..EASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.00 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

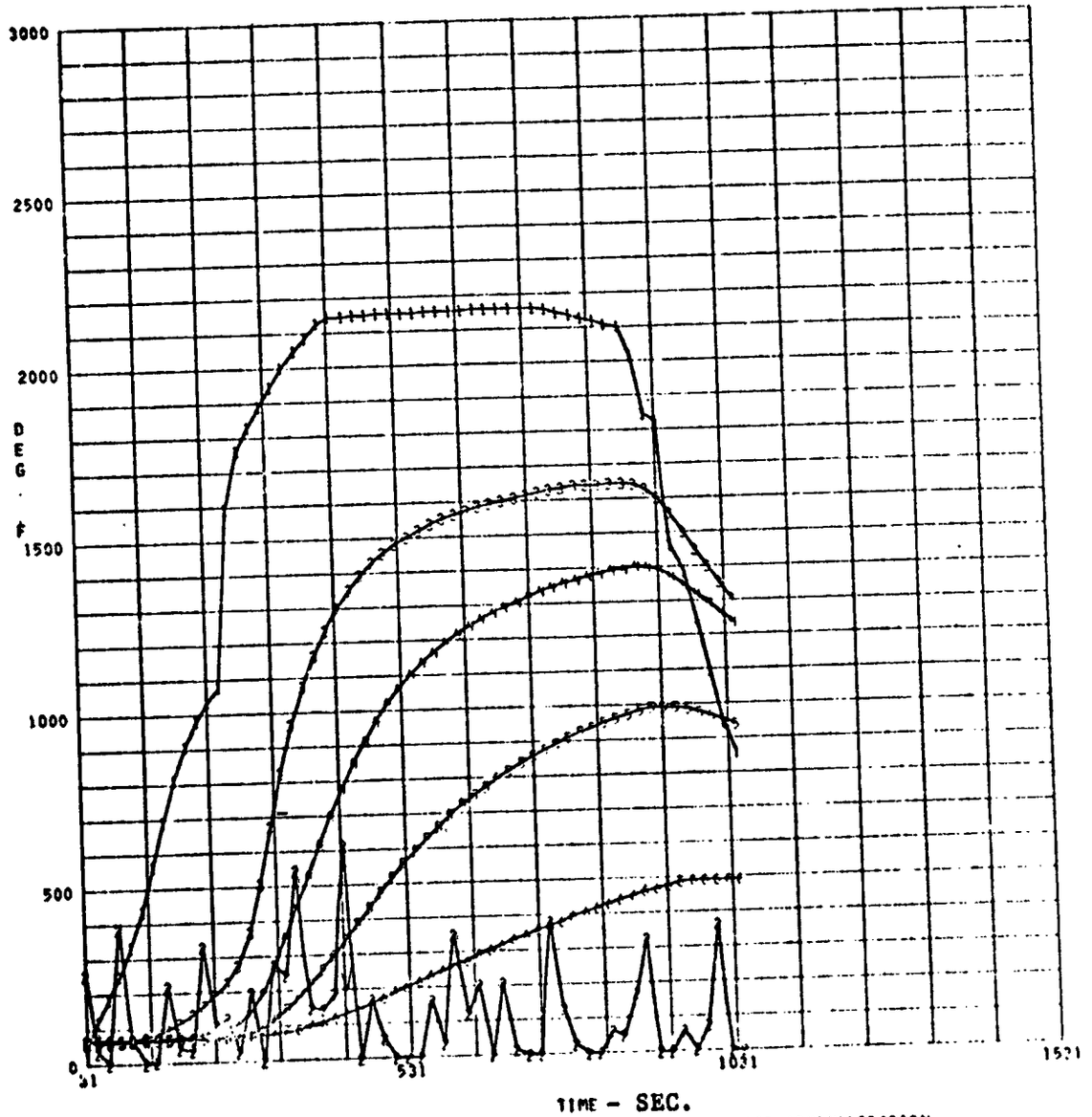


Figure 2.4-24

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.00 INCH BUTT JOINT, 0.15 INCH GAP

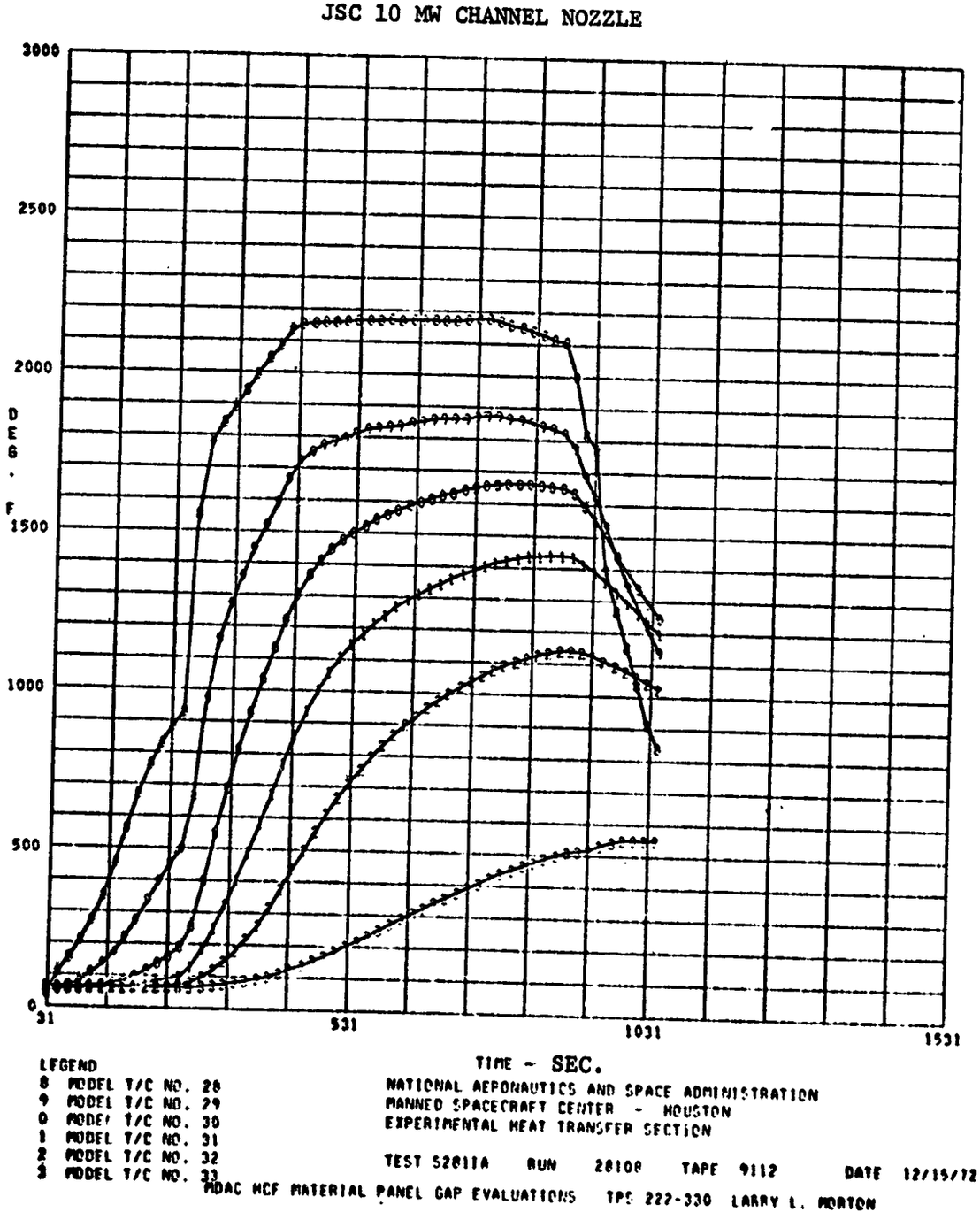


Figure 2.4-25

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.00 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

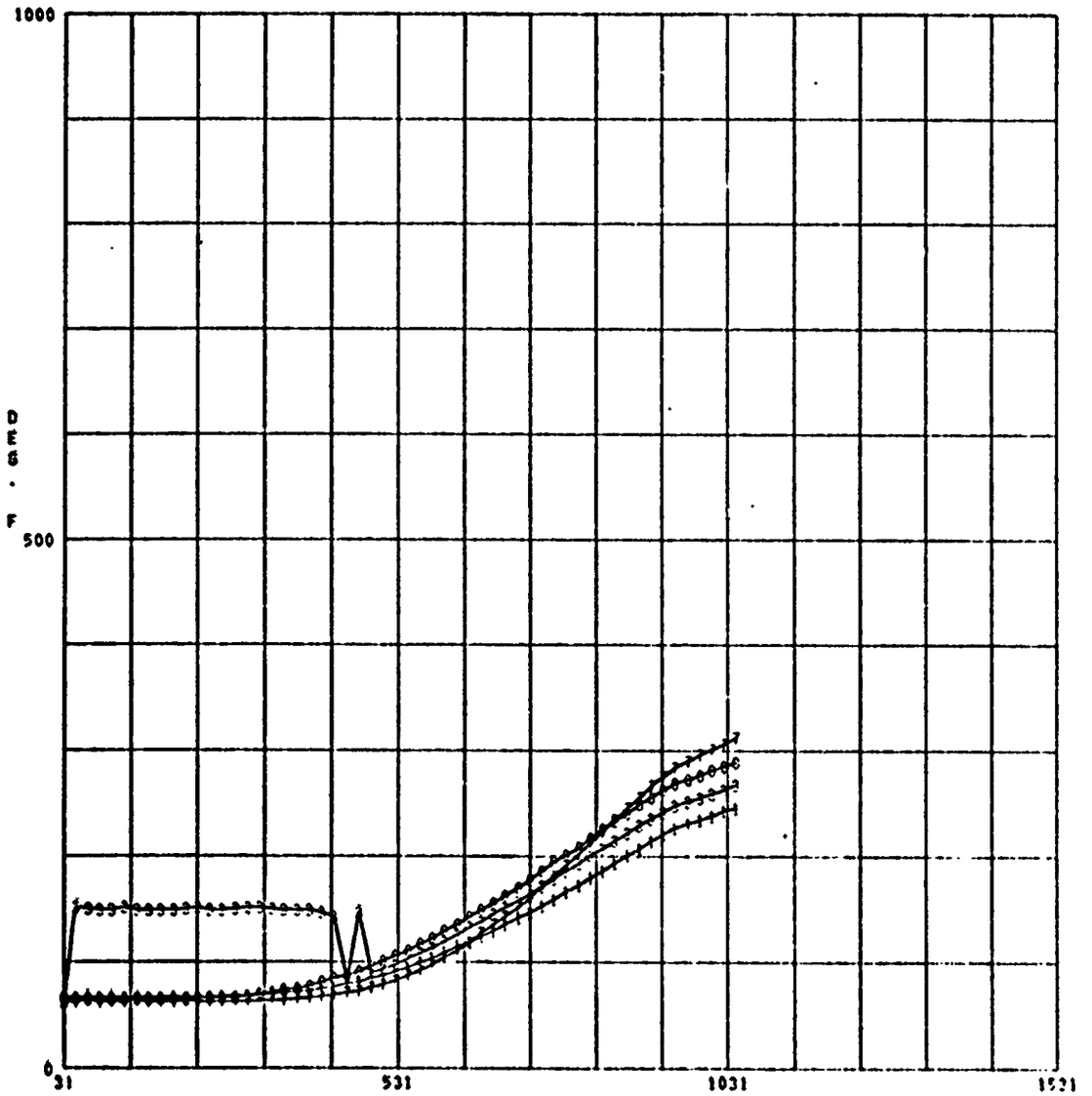


Figure 2.4-26

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.00 INCH BUTT JOINT, 0.30 INCH GAP

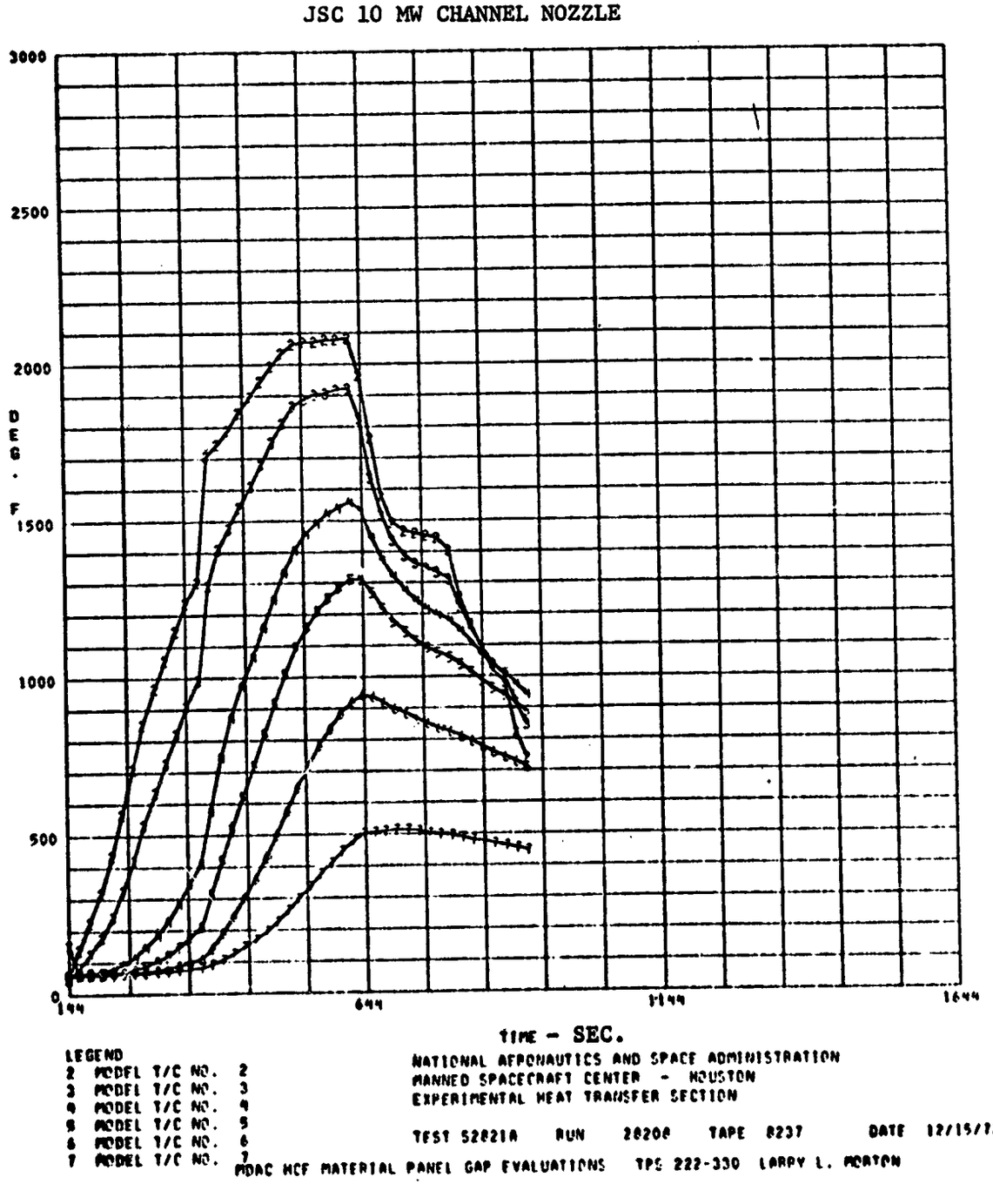


Figure 2.4-27

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.00 INCH BUTT JOINT, 0.30 INCH GAP

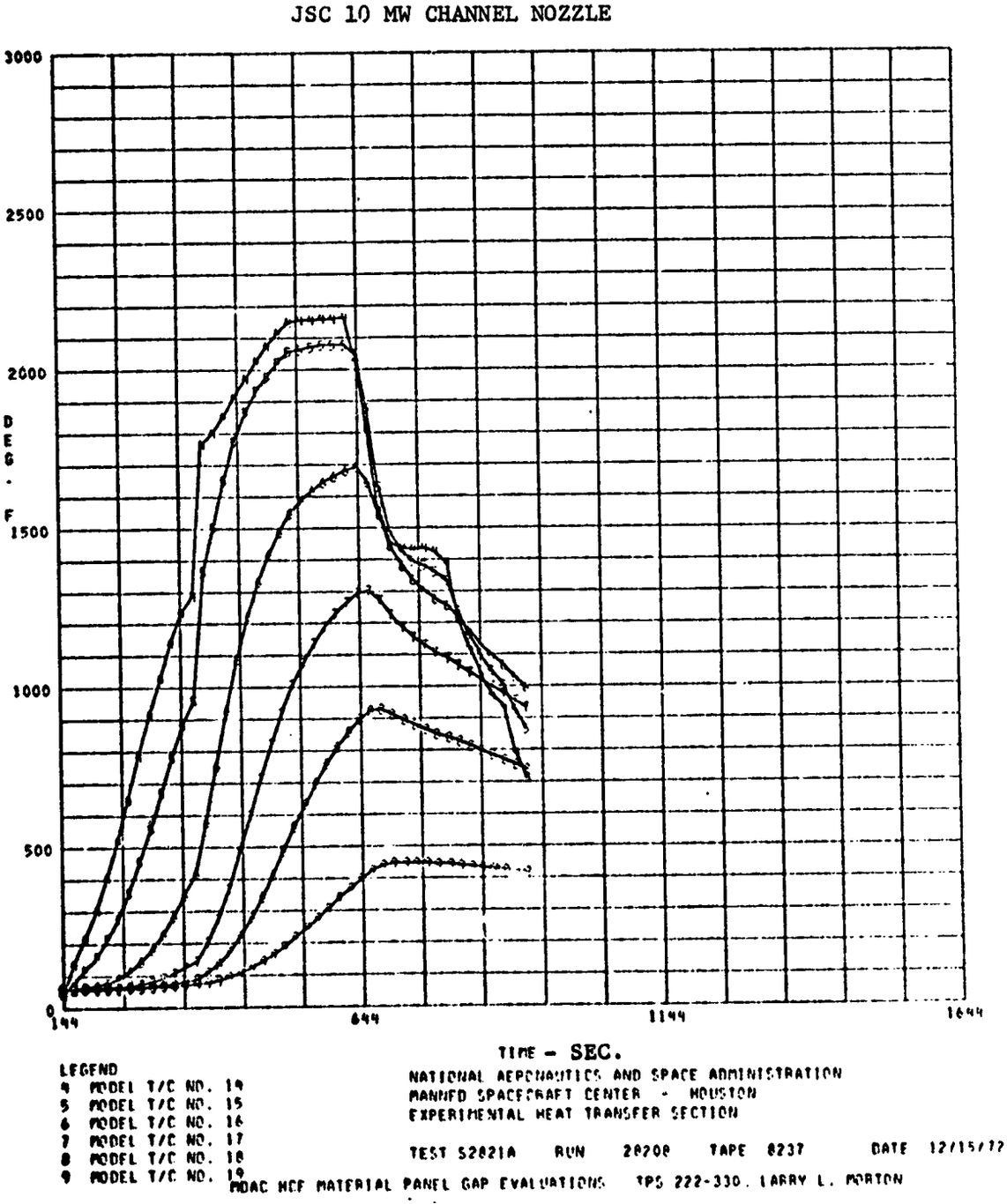


Figure 2.4-28

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.00 INCH BUTT JOINT, 0.30 INCH GAP

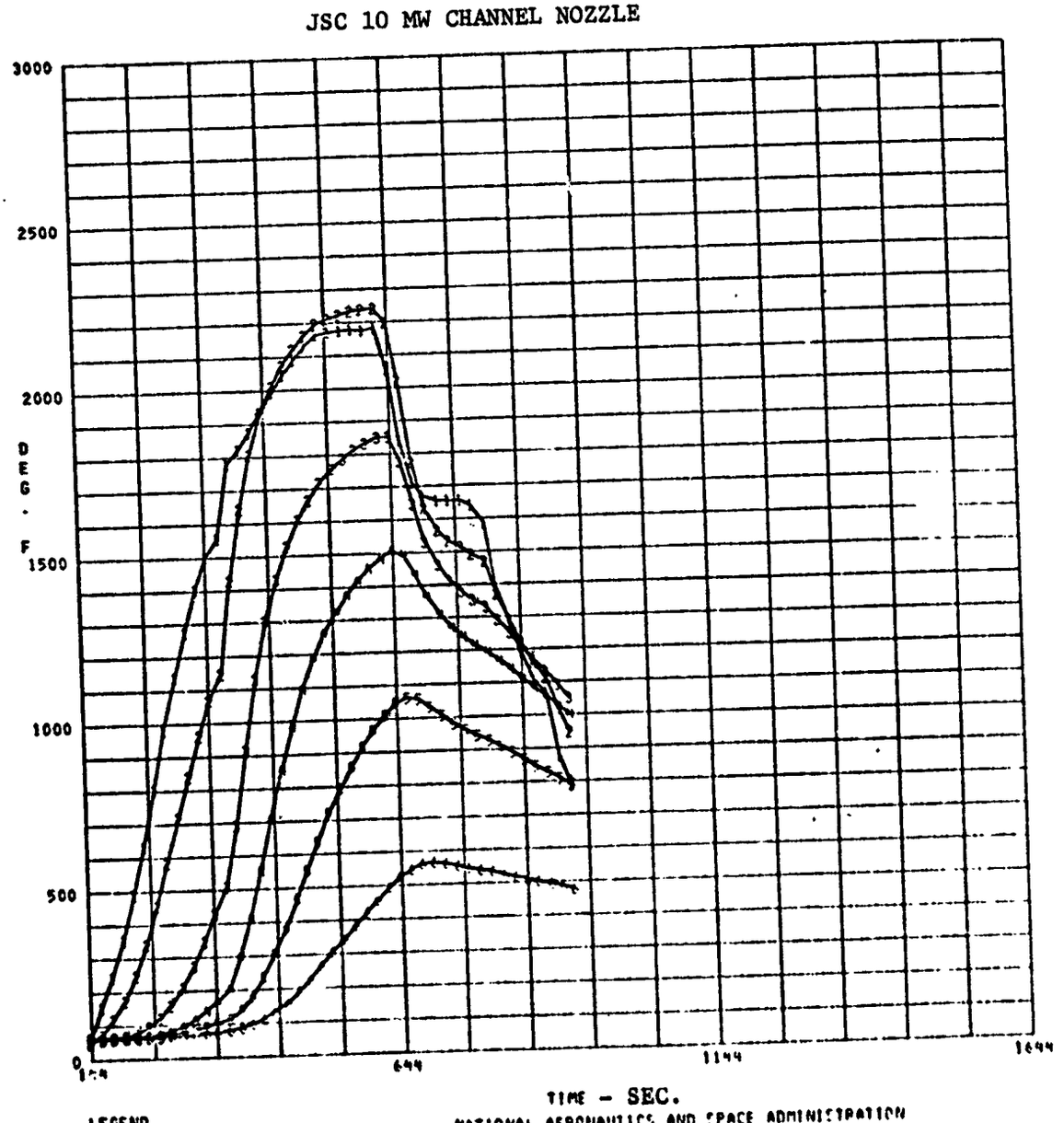


Figure 2.4-29

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.00 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

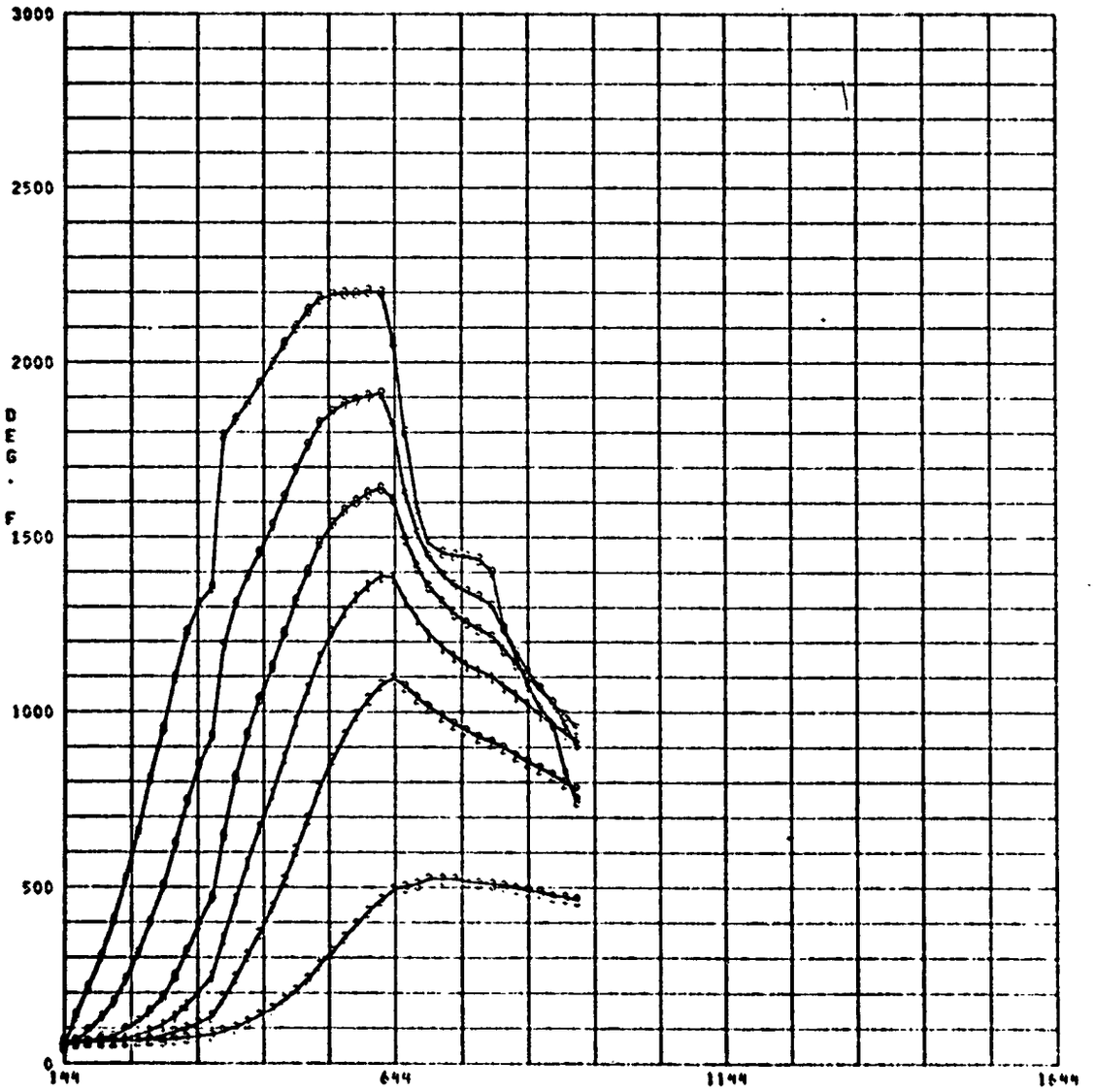


Figure 2.4-30

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.00 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

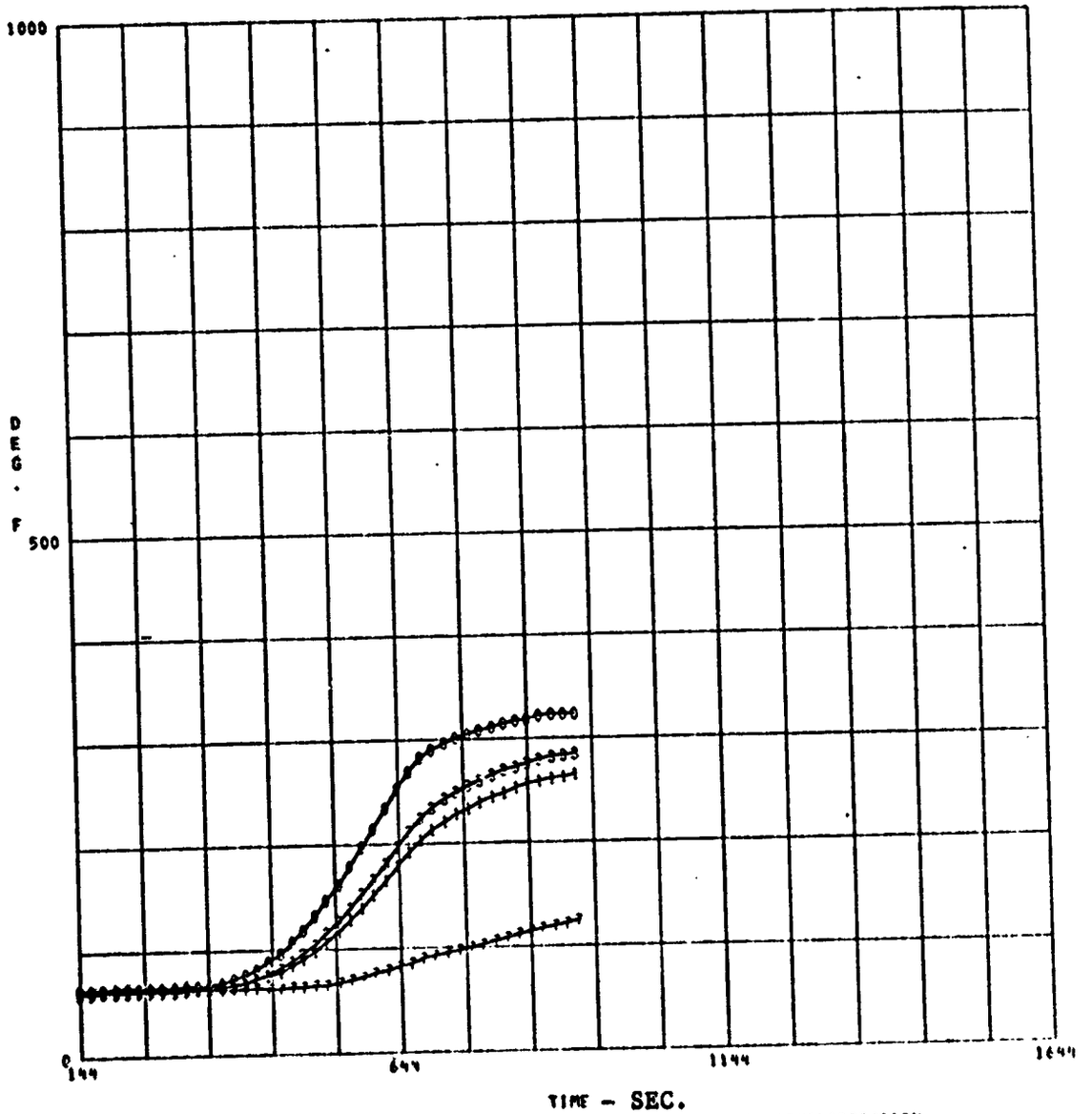


Figure 2.4-31

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 1.25 INCH BUTT JOINT, 0.05 INCH GAP

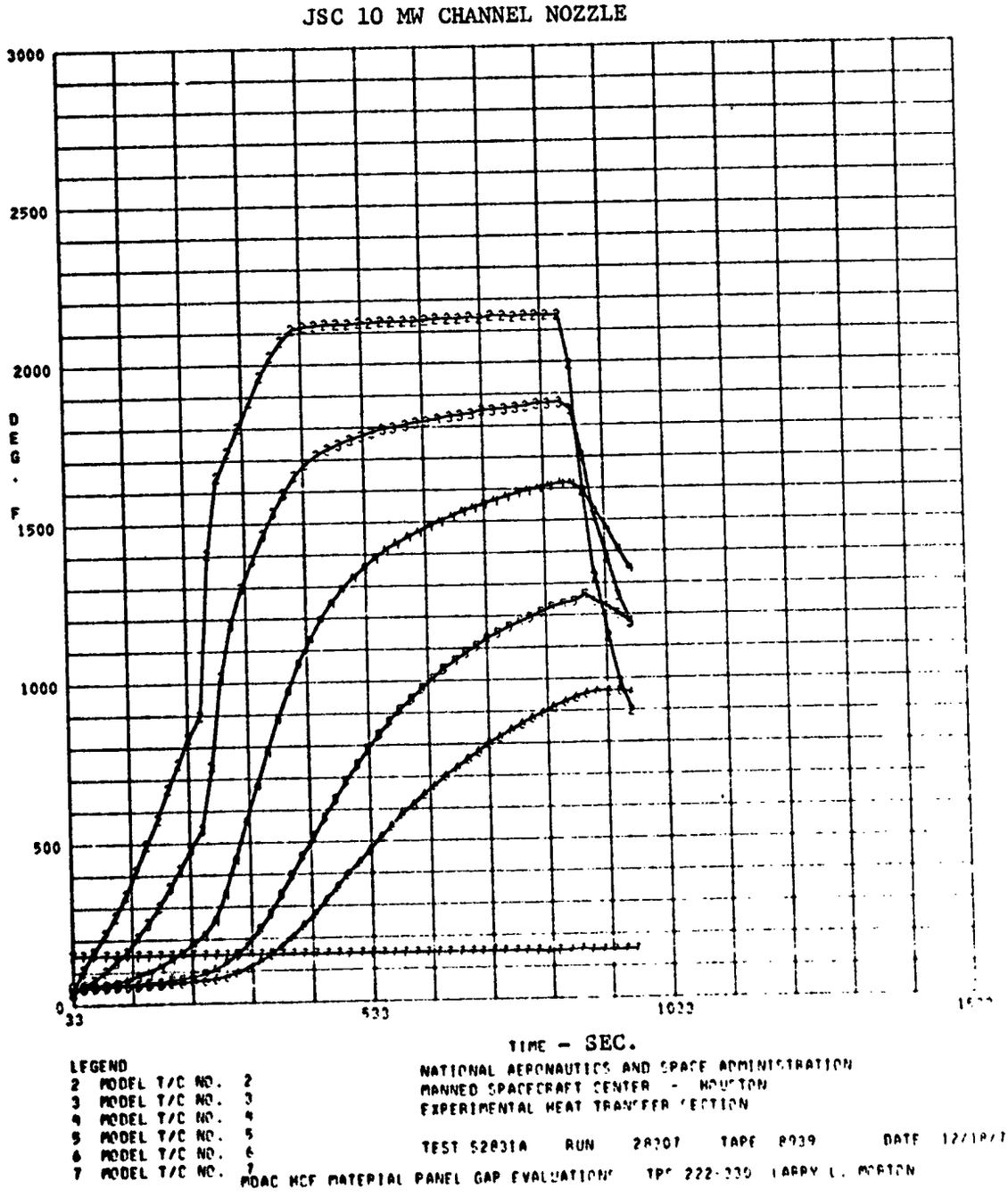


Figure 2.4-32

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 1.25 INCH BUTT JOINT, 0.05 INCH GAP

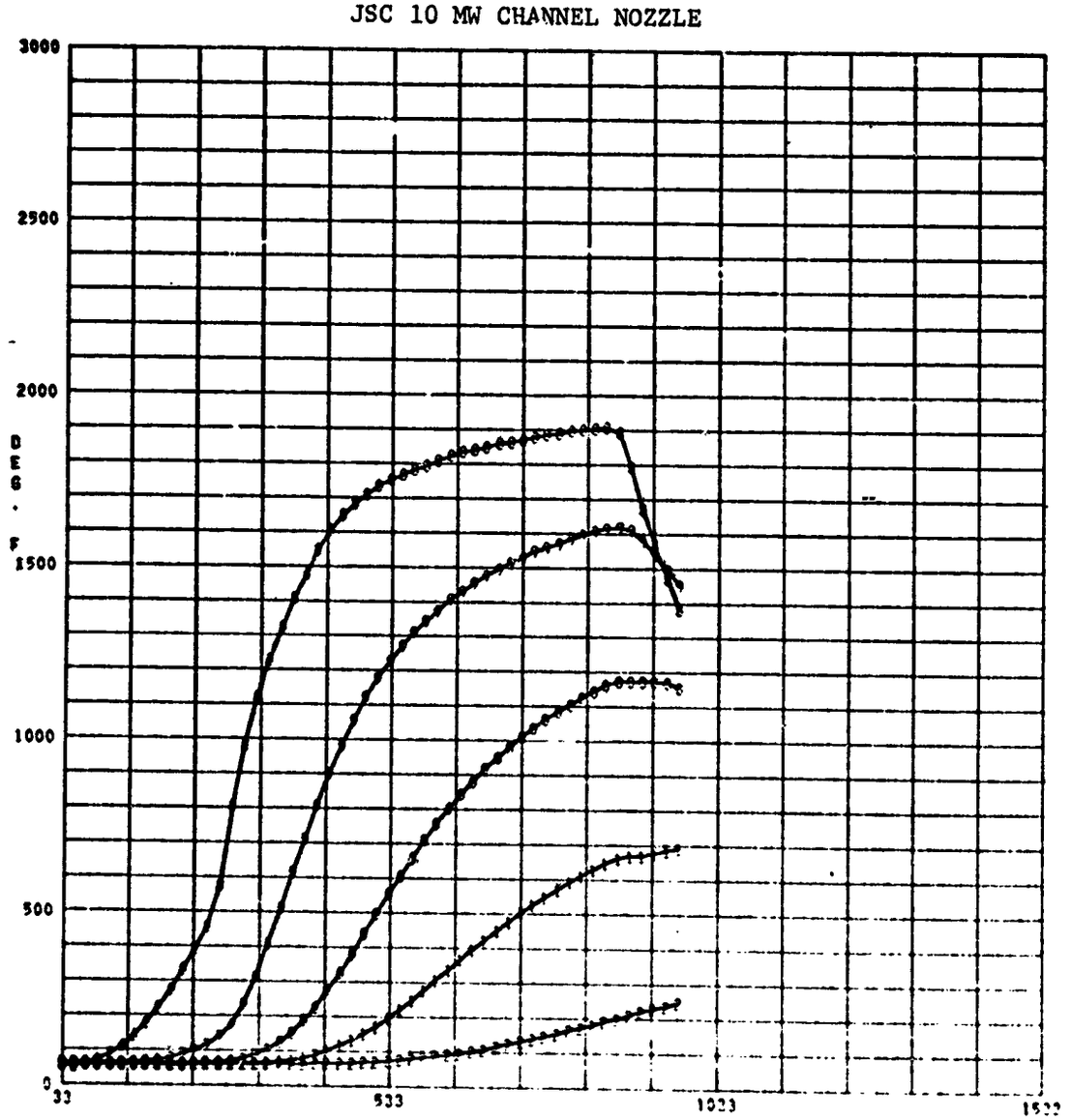


Figure 2.4-33

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 1.25 INCH BUTT JOINT, 0.05 INCH GAP

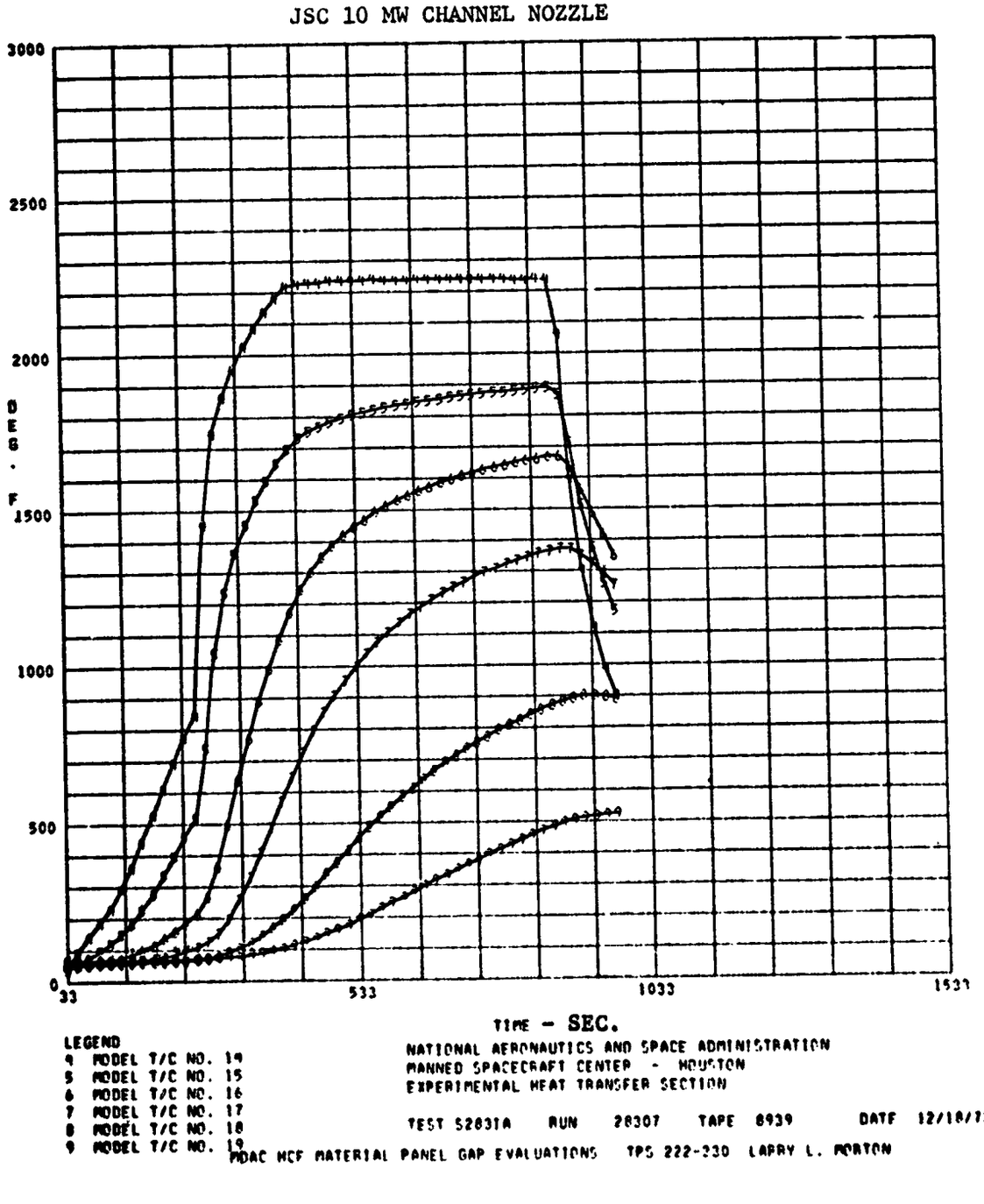


Figure 2.4-34

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 1.25 INCH BUTT JOINT, 0.05 INCH GAP

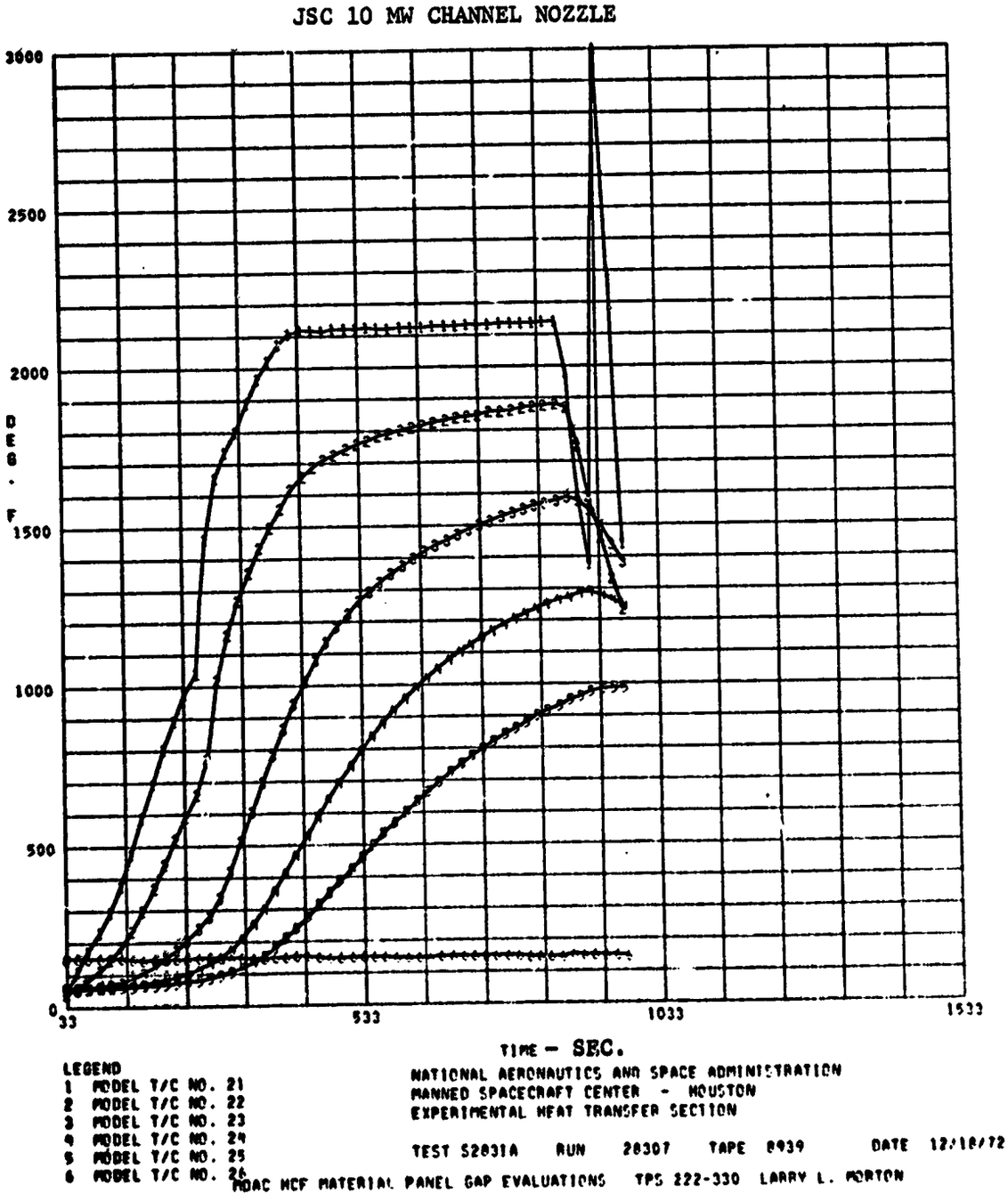


Figure 2.4-35

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 1.25 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

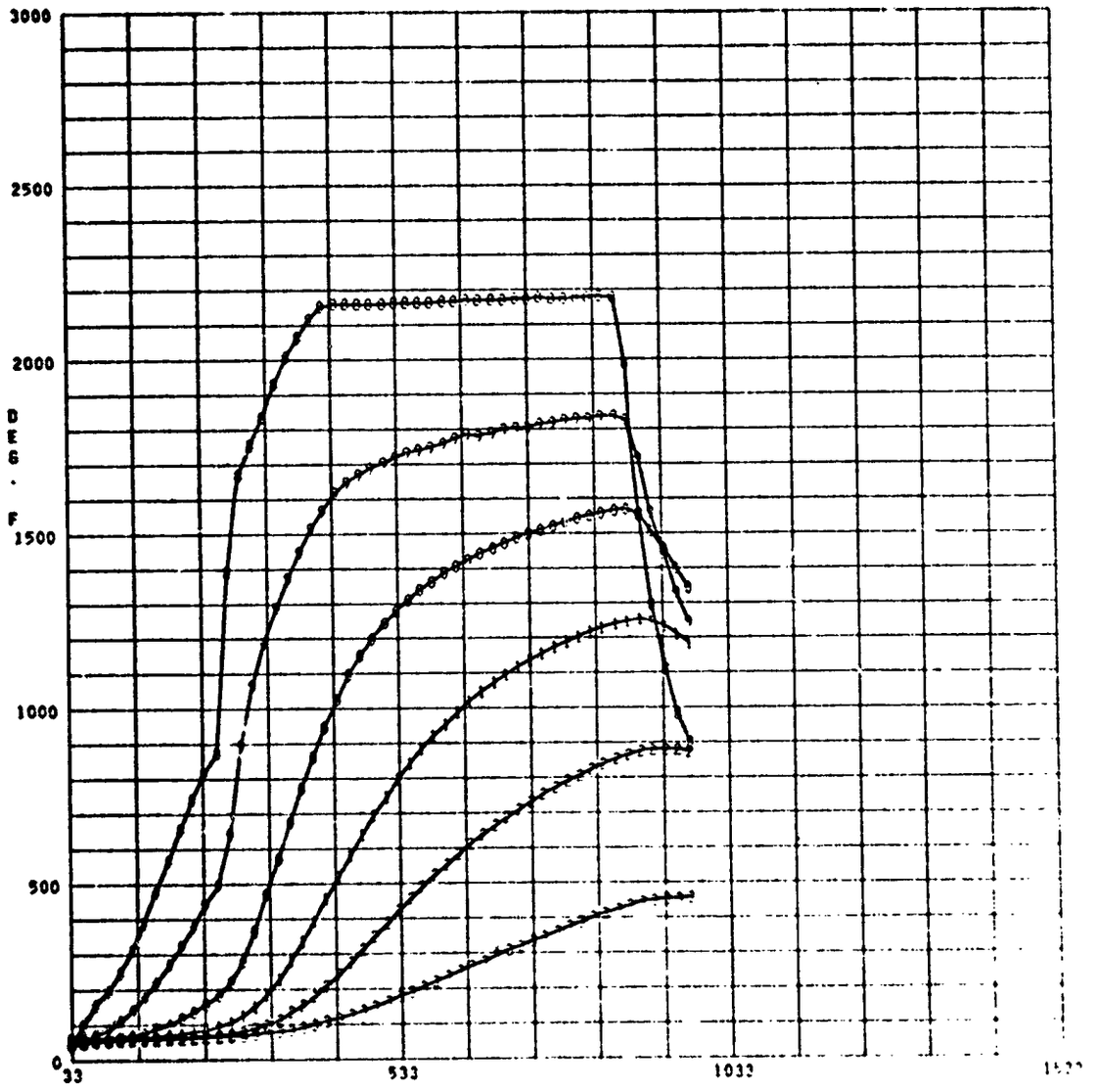


Figure 2.4-36

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 1.25 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

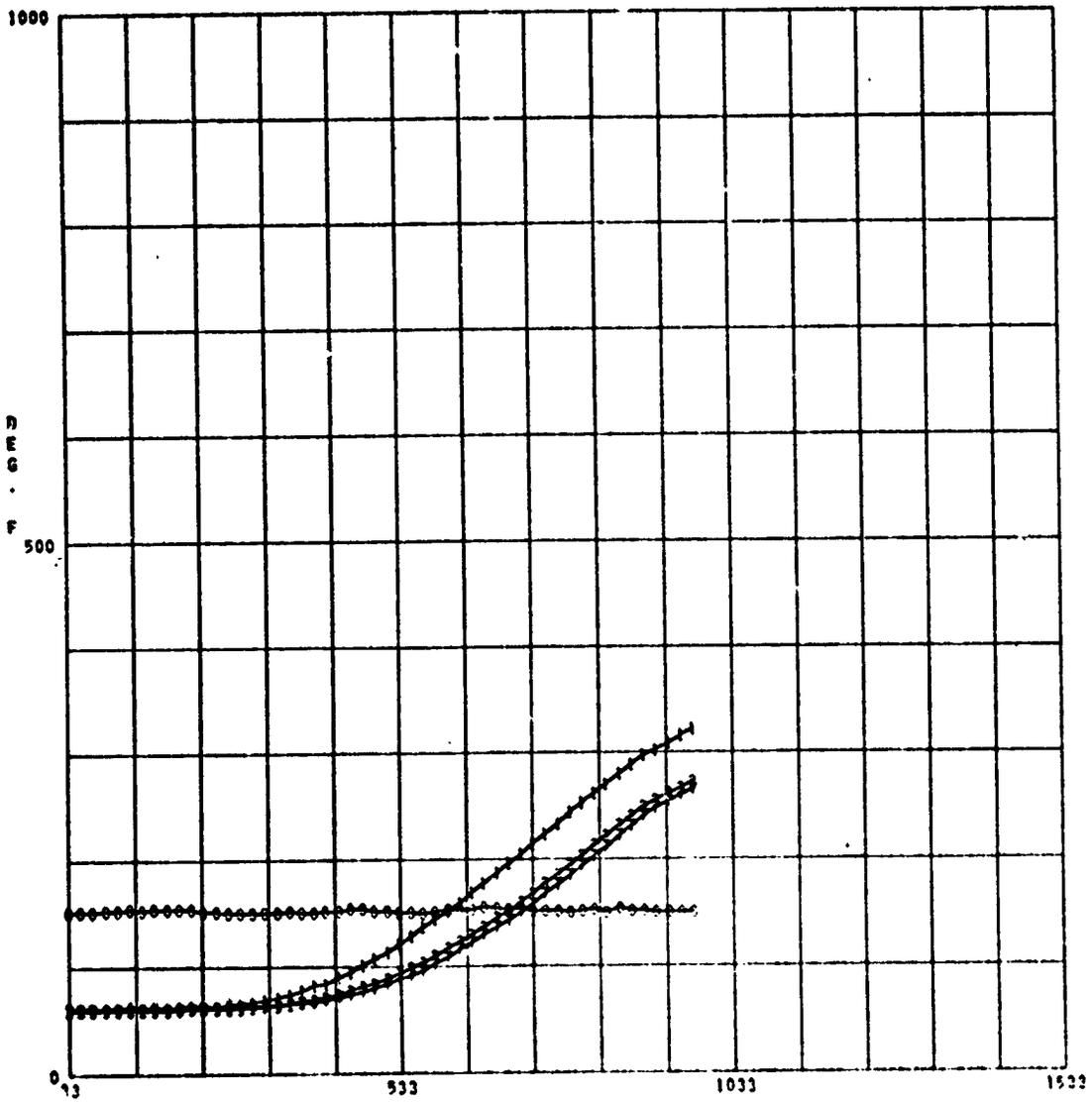


Figure 2.4-37

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 1.25 INCH BUTT JOINT, 0.10 INCH GAP

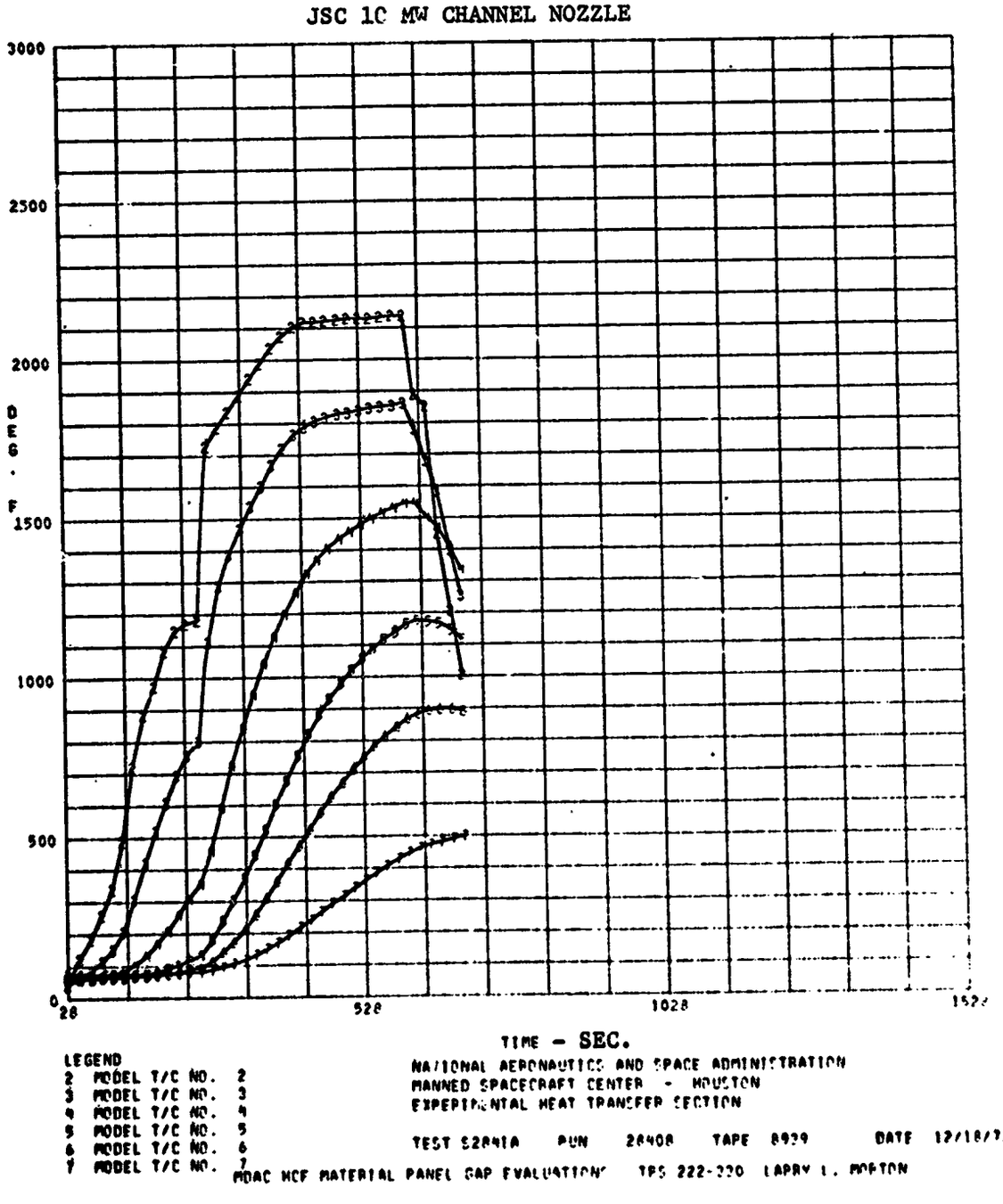


Figure 2.4-38

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 1.25 INCH BUTT JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

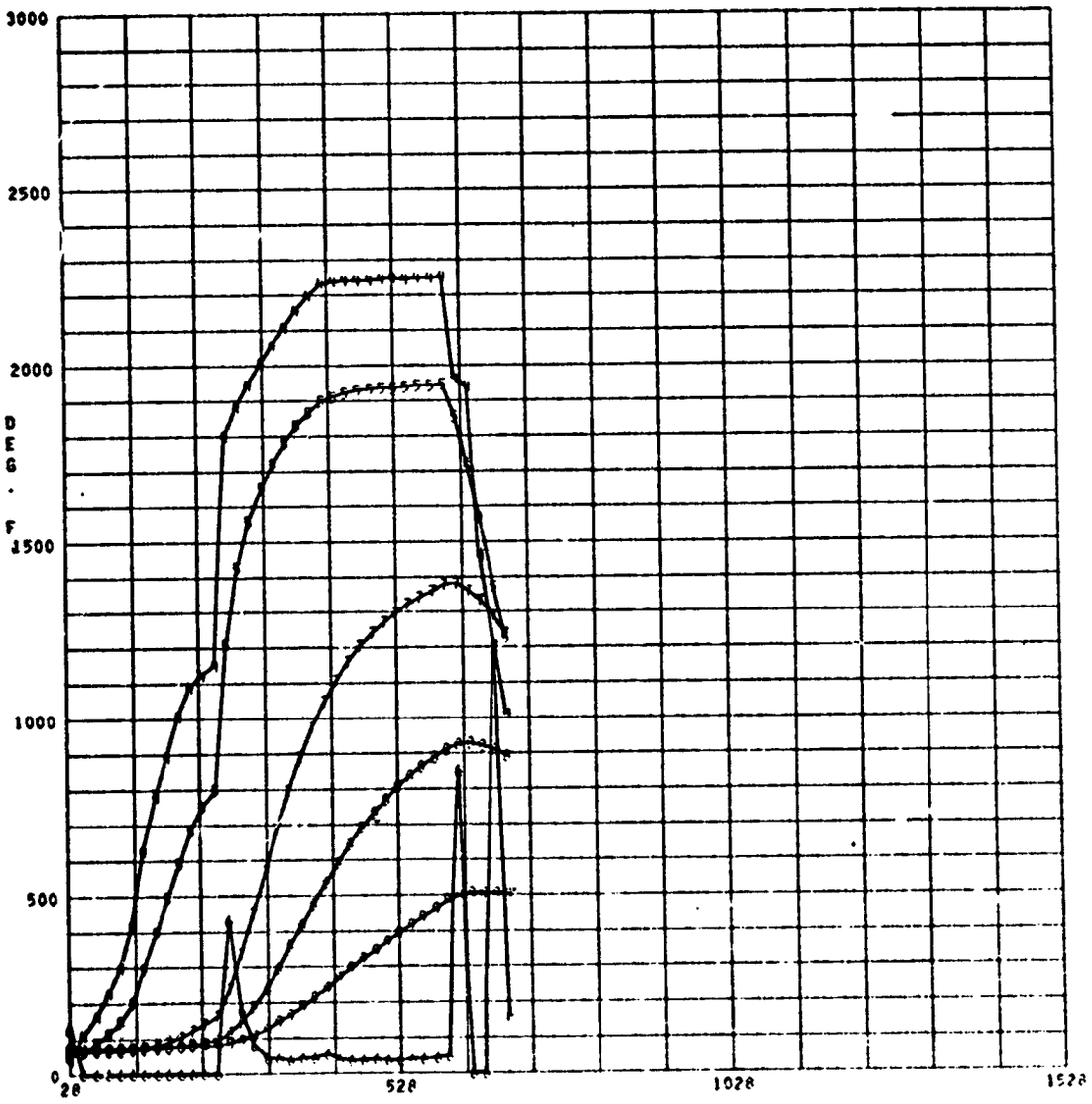


Figure 2.4-39

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 1.25 INCH BUTT JOINT, 0.10 INCH GAP

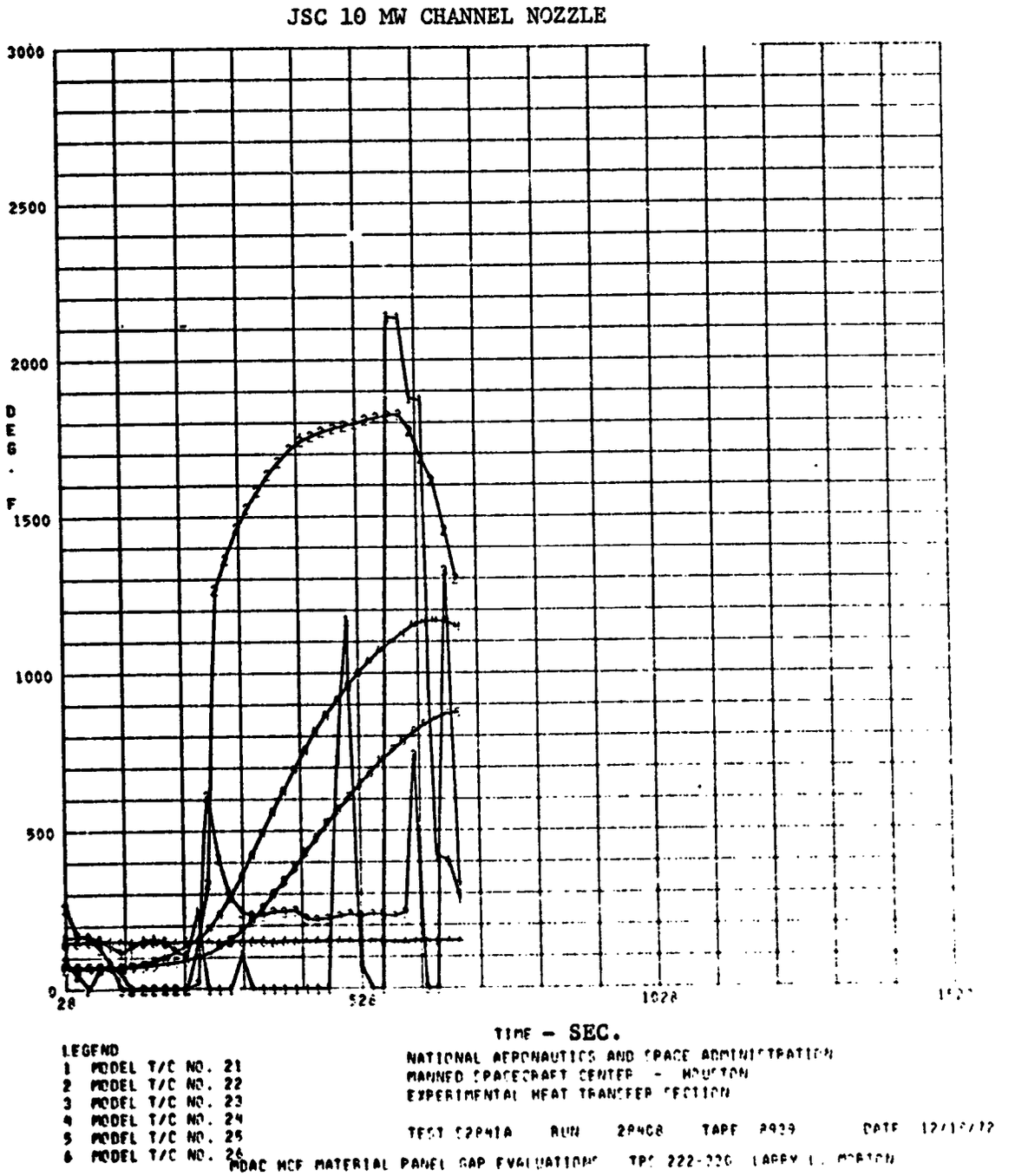


Figure 2.4-40

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 1.25 INCH BUTT JOINT, 0.10 INCH GAP

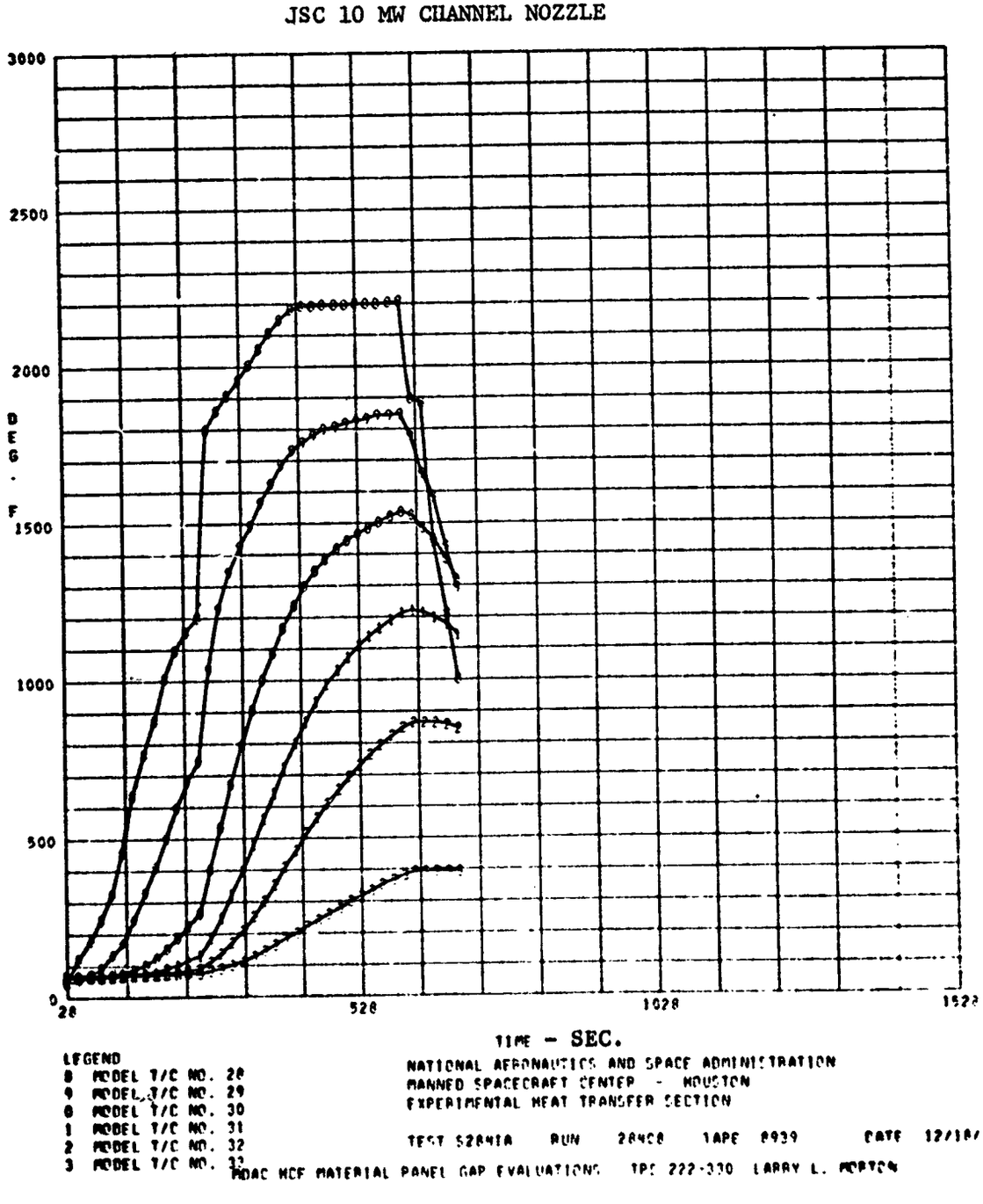


Figure 2.4-41

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 1.25 INCH BUTT JOINT, 0.10 INCH GAP

JSC 1C MW CHANNEL NOZZLE

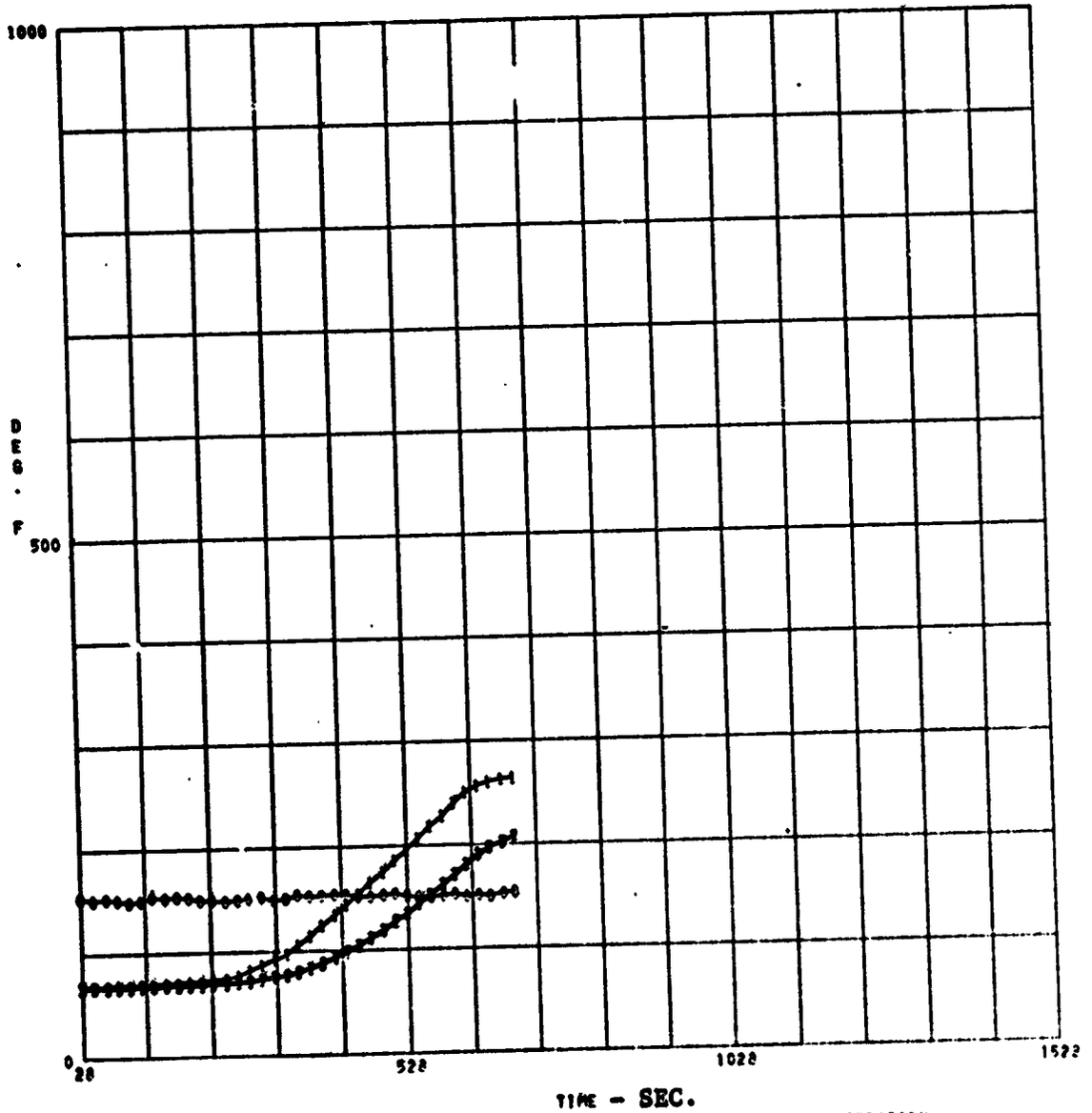


Figure 2.4-42

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 1.25 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

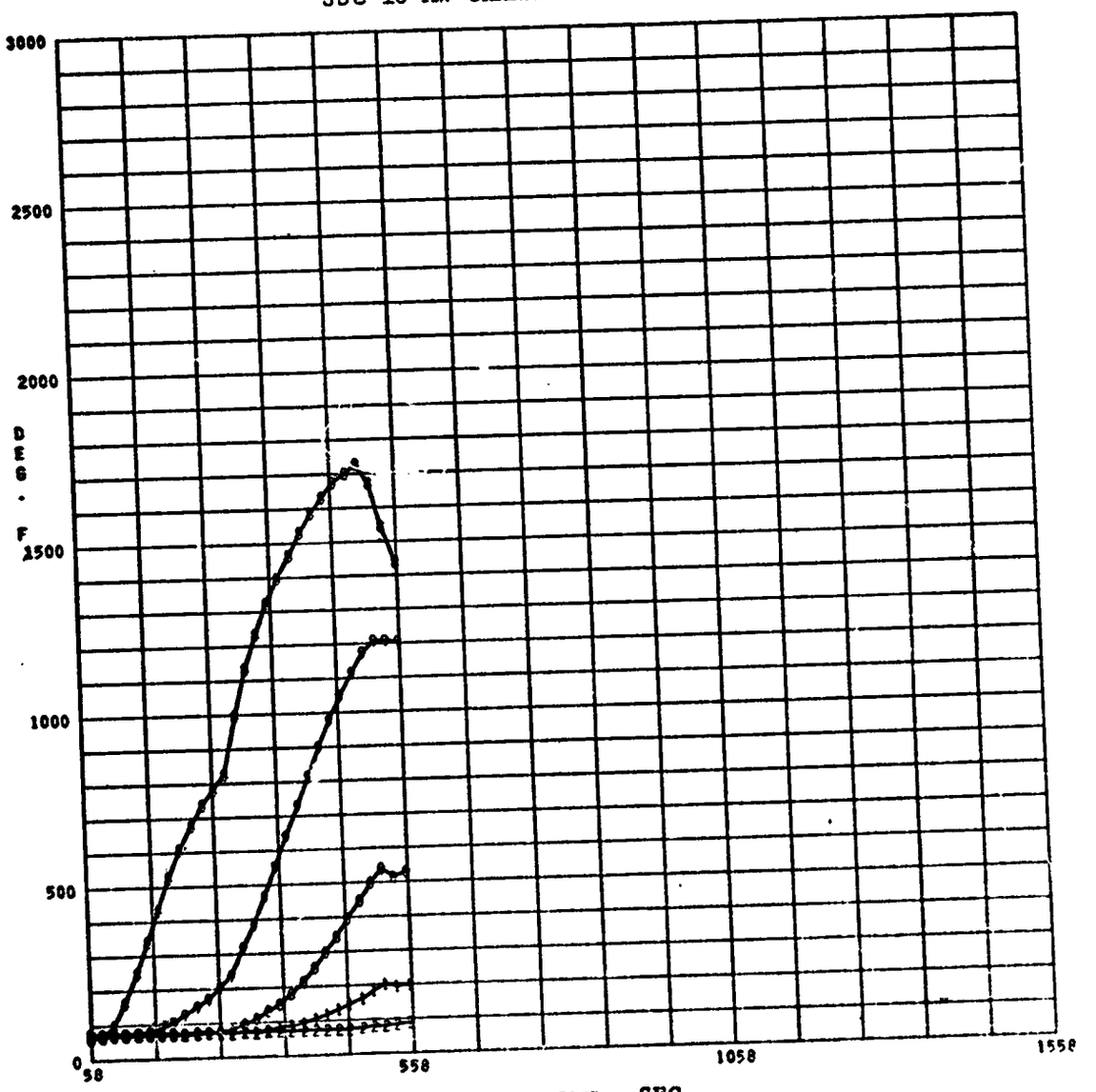


Figure 2.4-43

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 1.25 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

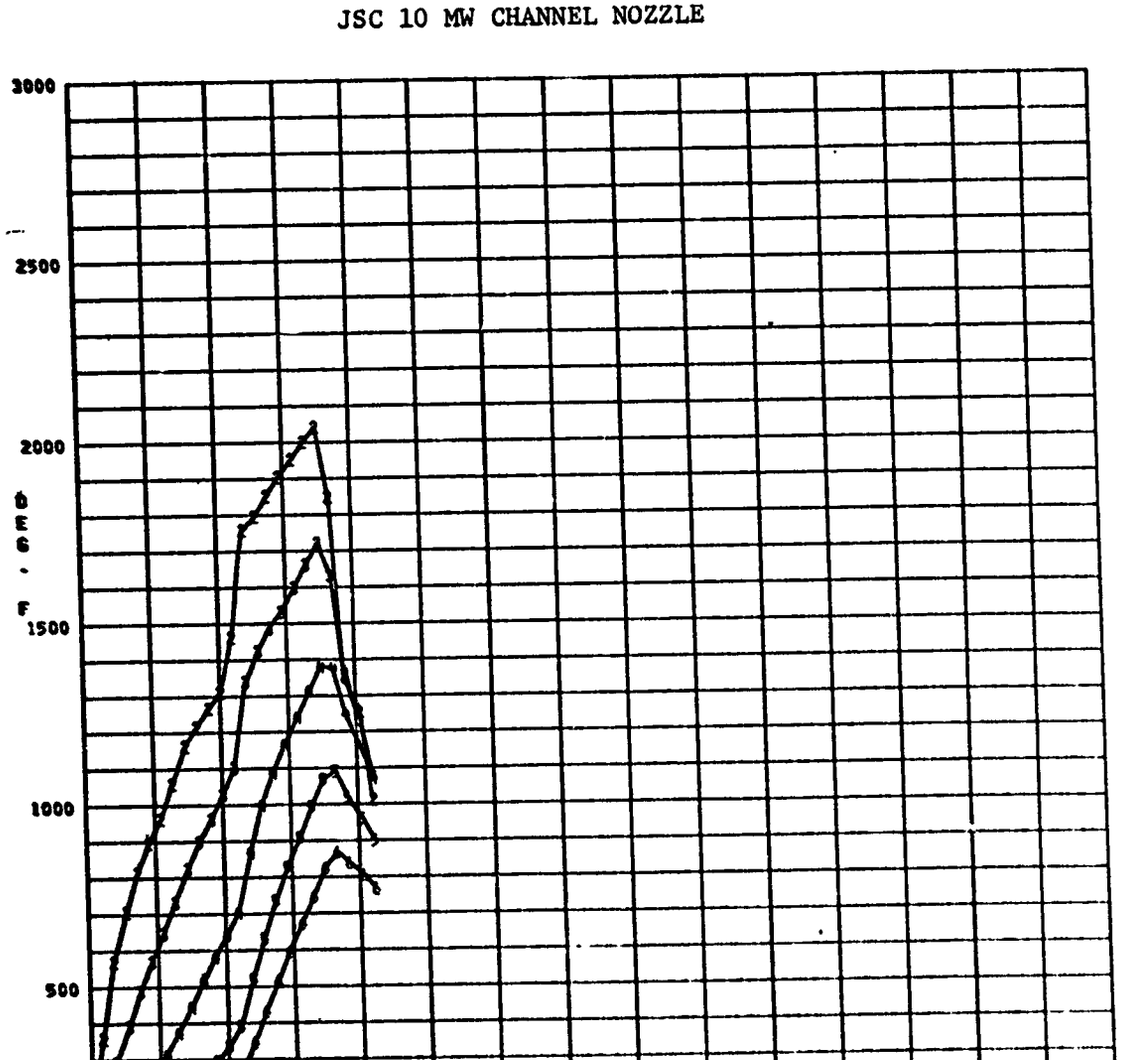


Figure 2.4-44

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 1.25 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

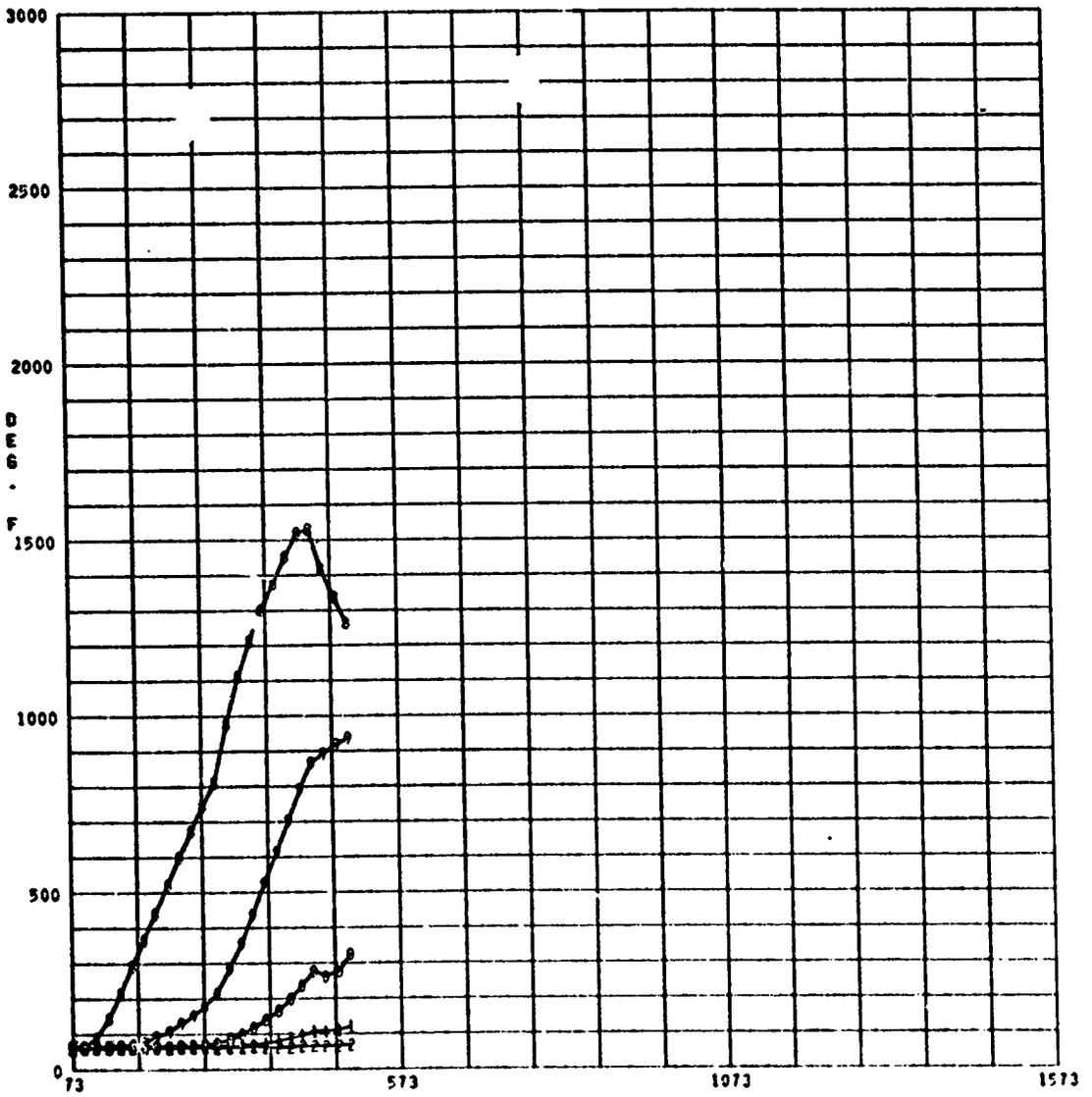


Figure 2.4-45

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 1.25 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

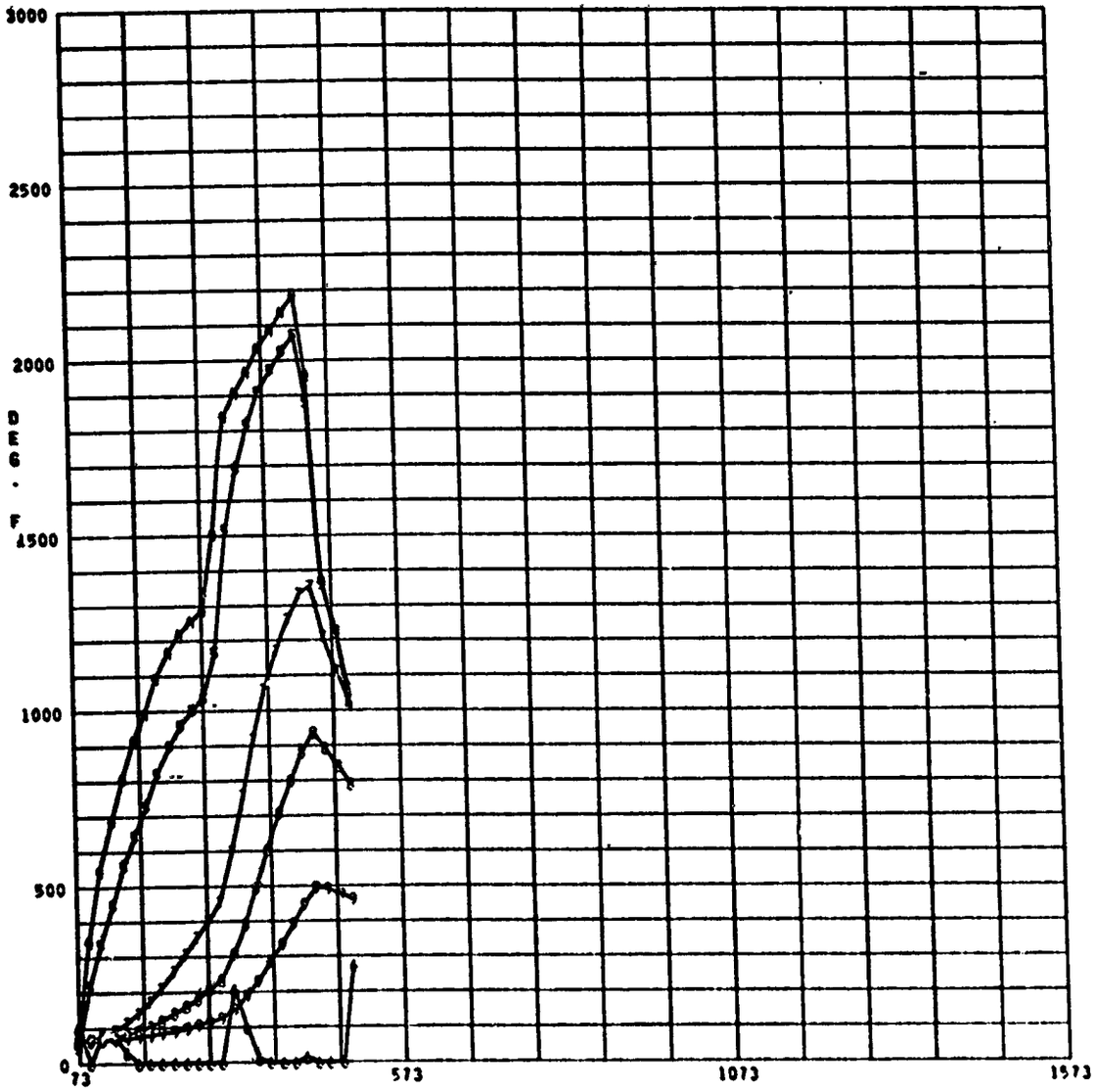


Figure 2.4-46

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 1.25 INCH BUTT JOINT, 0.30 INCH GAP

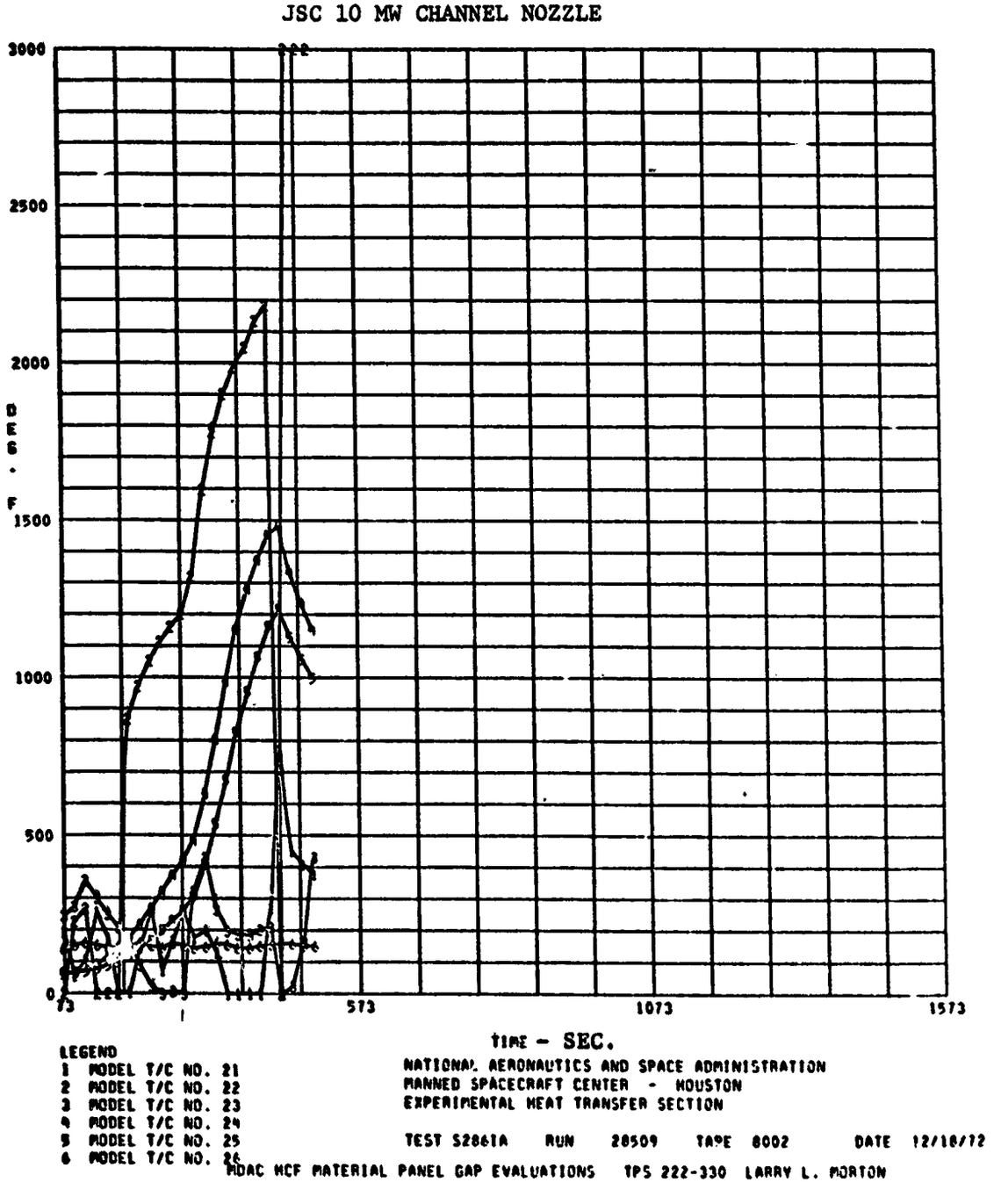


Figure 2.4-47

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 1.25 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

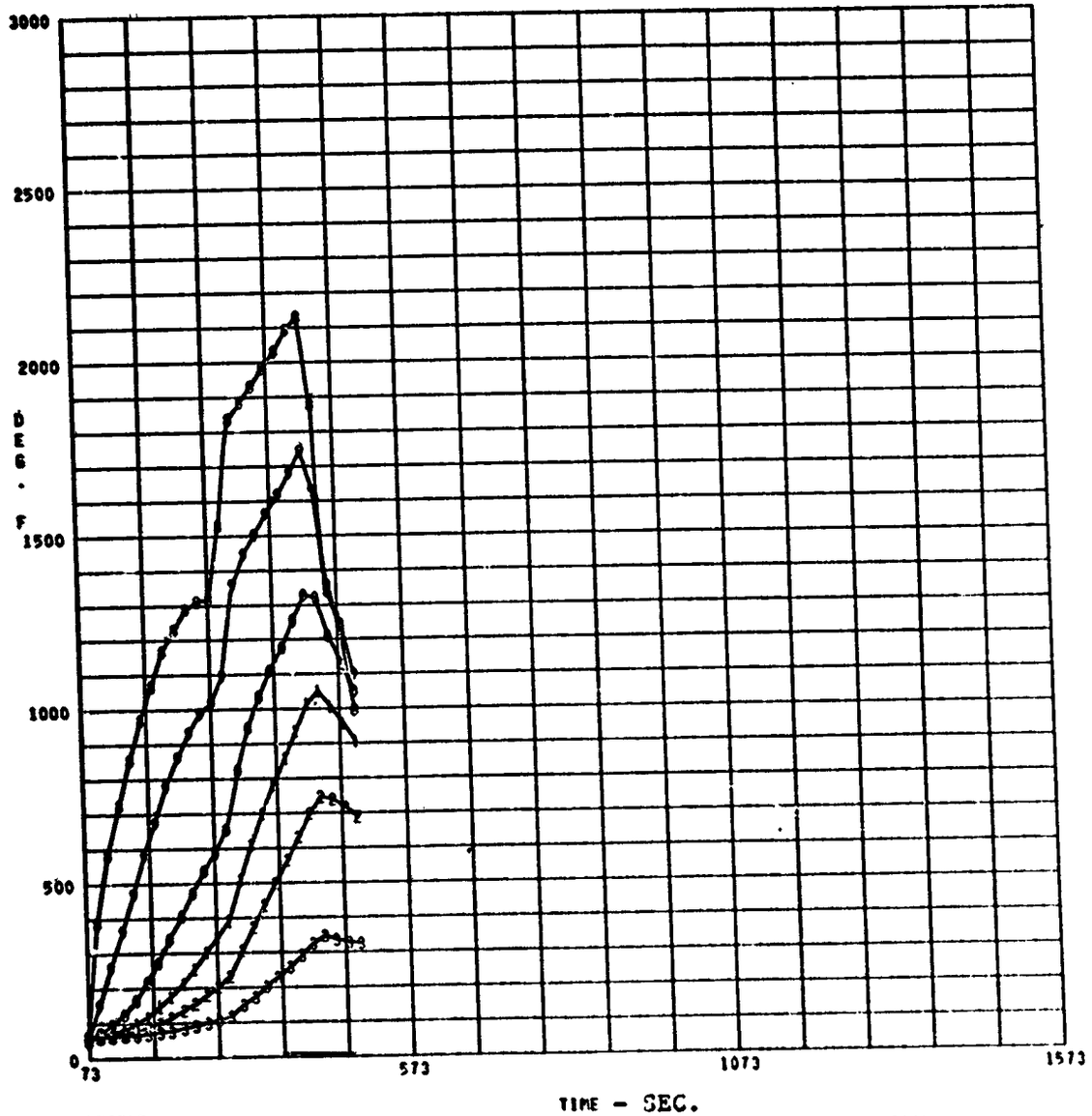


Figure 2.4-48

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 1.25 INCH BUTT JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

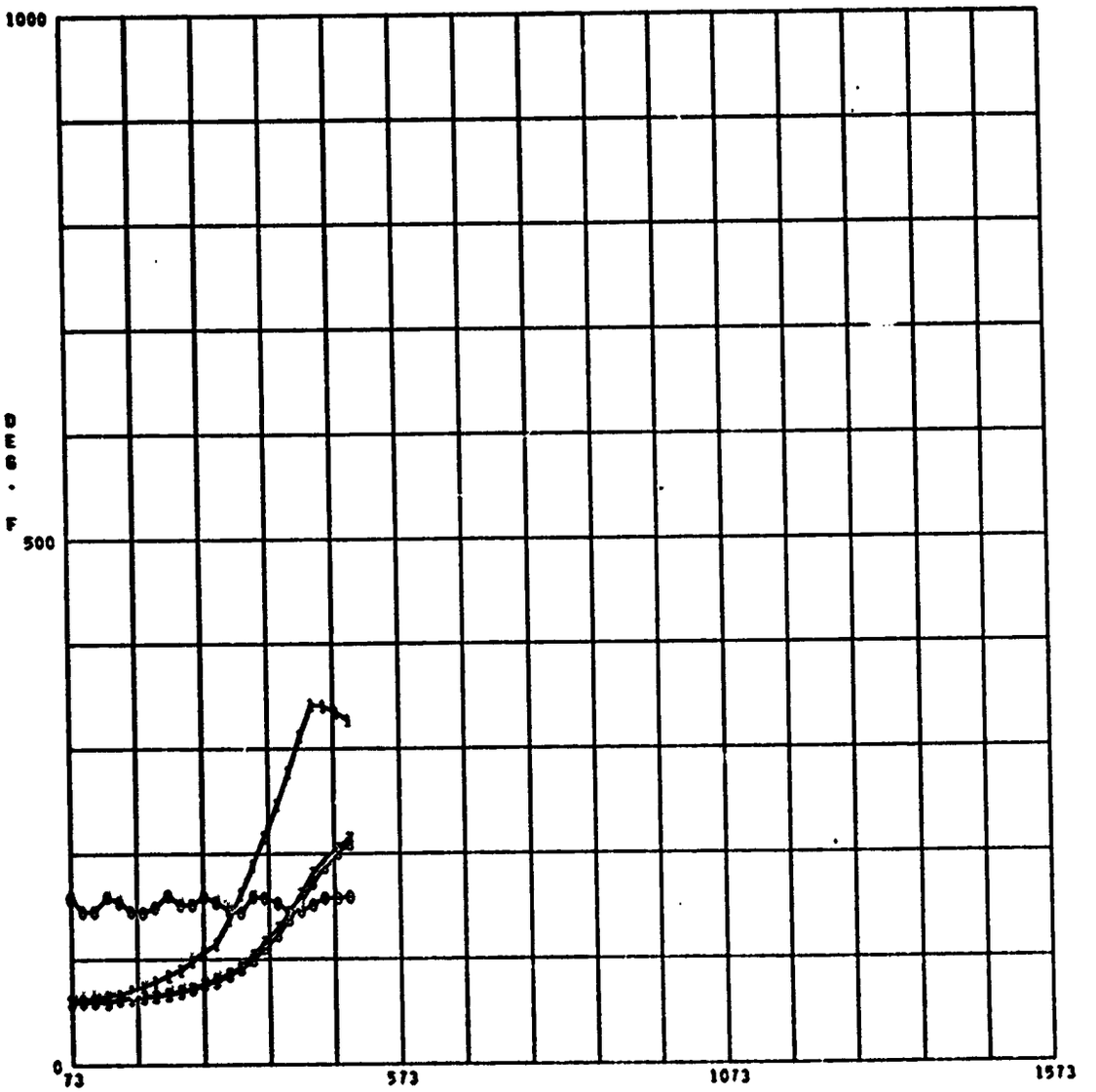


Figure 2.4-49

MEASURED TEMPERATURES IN TRANSVERSE GAP FORWARD FACING STEP, TILE A 2.00 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

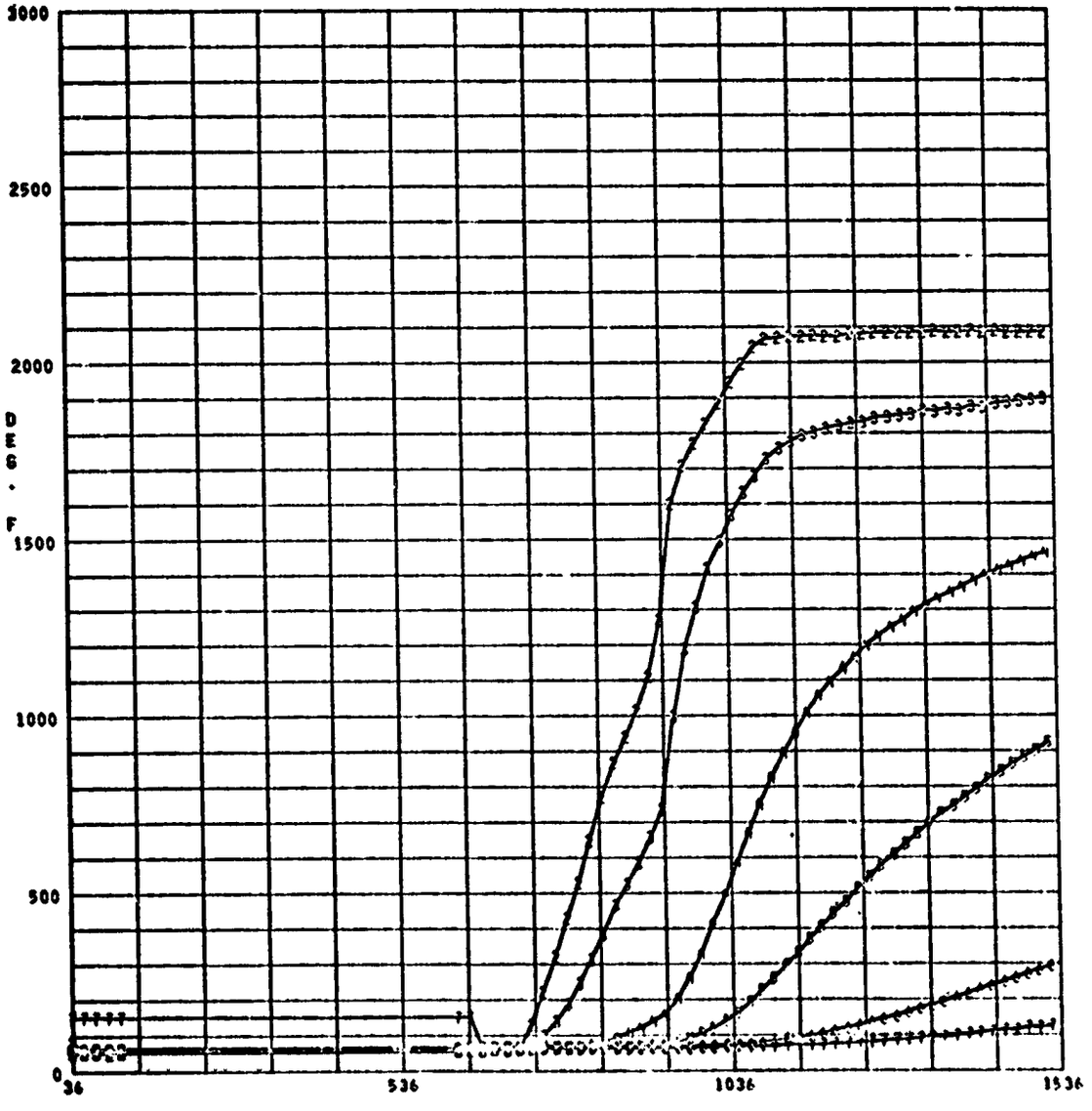


Figure 2.4-50

MEASURED TEMPERATURES IN IN-LINE GAP FORWARD FACING STEP, TILE B 2.00 INCH BUTT JOINT, 0.05 INCH GAP

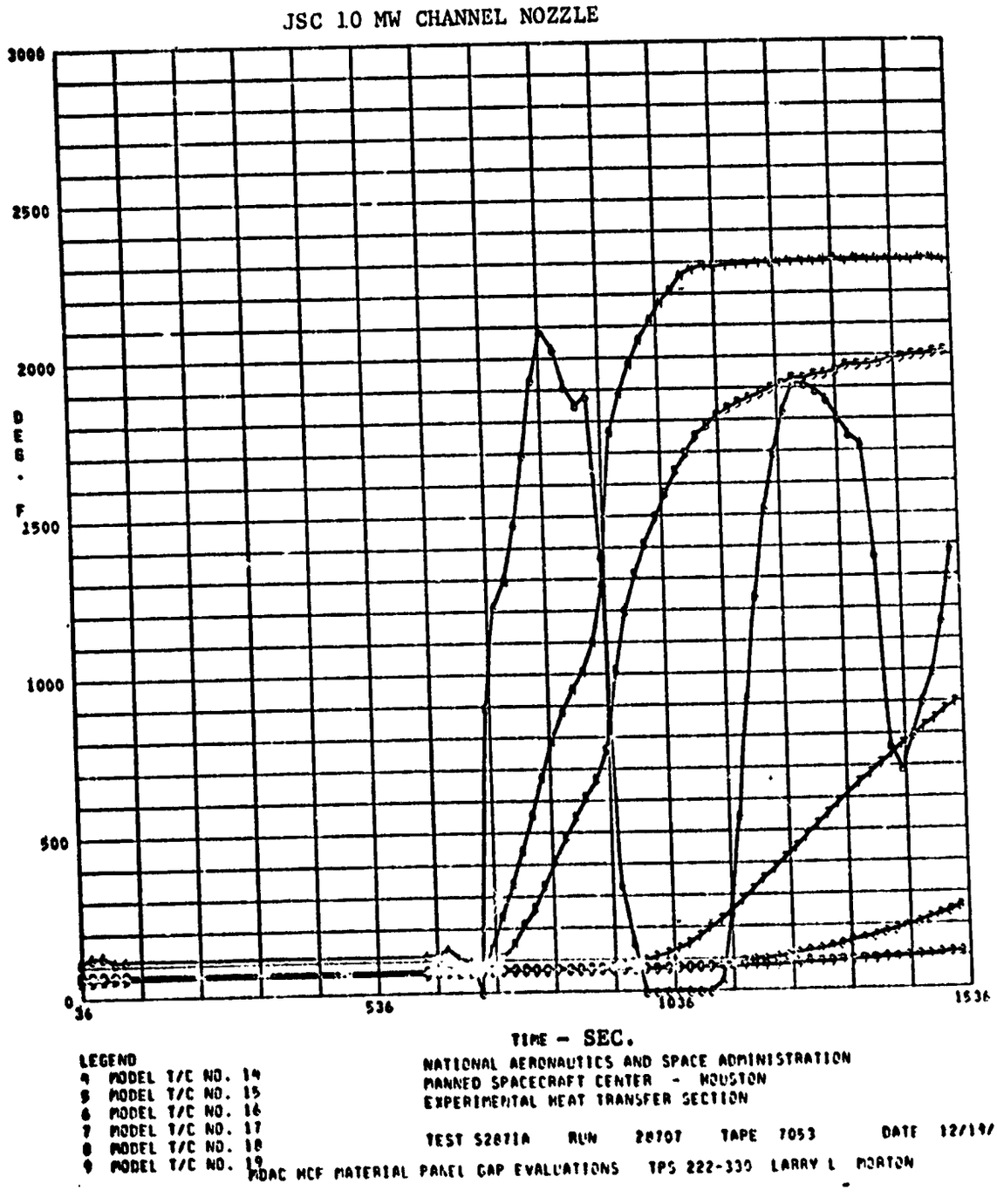


Figure 2.4-51

MEASURED TEMPERATURES IN IN-LINE GAP FORWARD FACING STEP, TILE C 2.00 INCH BUTT JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

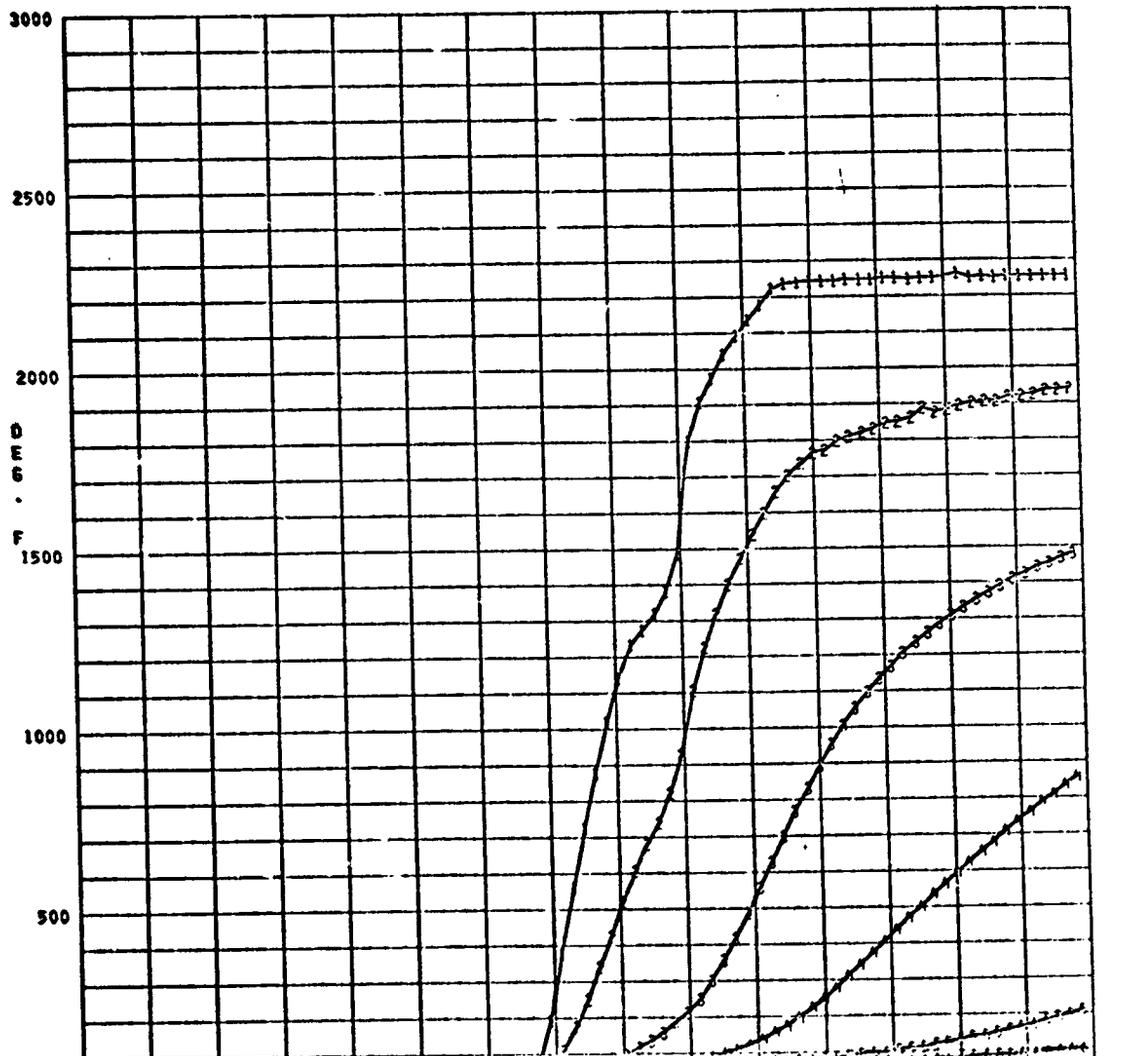


Figure 2.4-52

MEASURED TEMPERATURES IN TRANSVERSE GAP FORWARD FACING STEP, TILE D 2.00 INCH BUTT JOINT, 0.05 INCH GAP

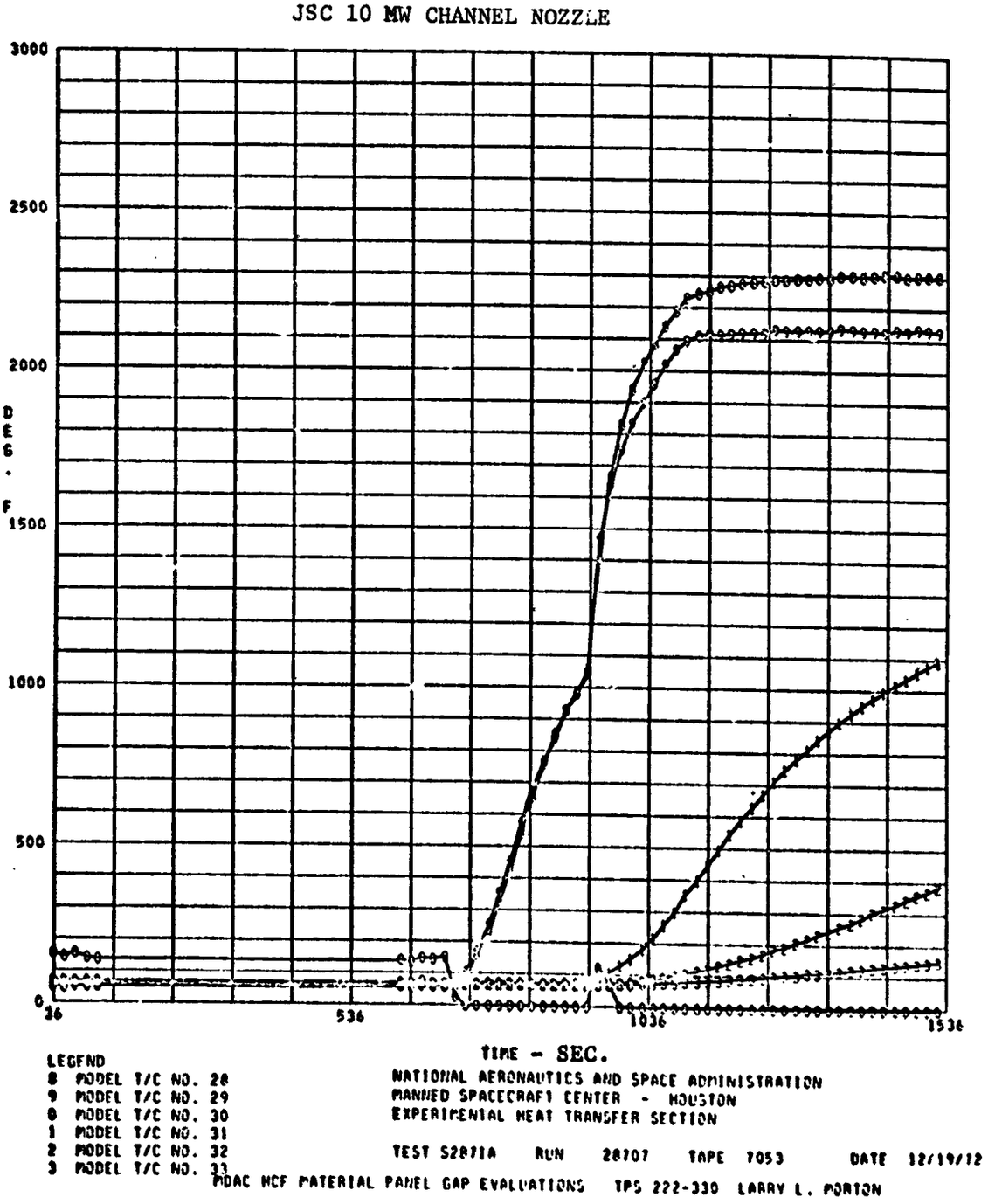


Figure 2.4-53

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.00 INCH BUTT JOINT, FORWARD FACING STEP 0.05 INCH GAP

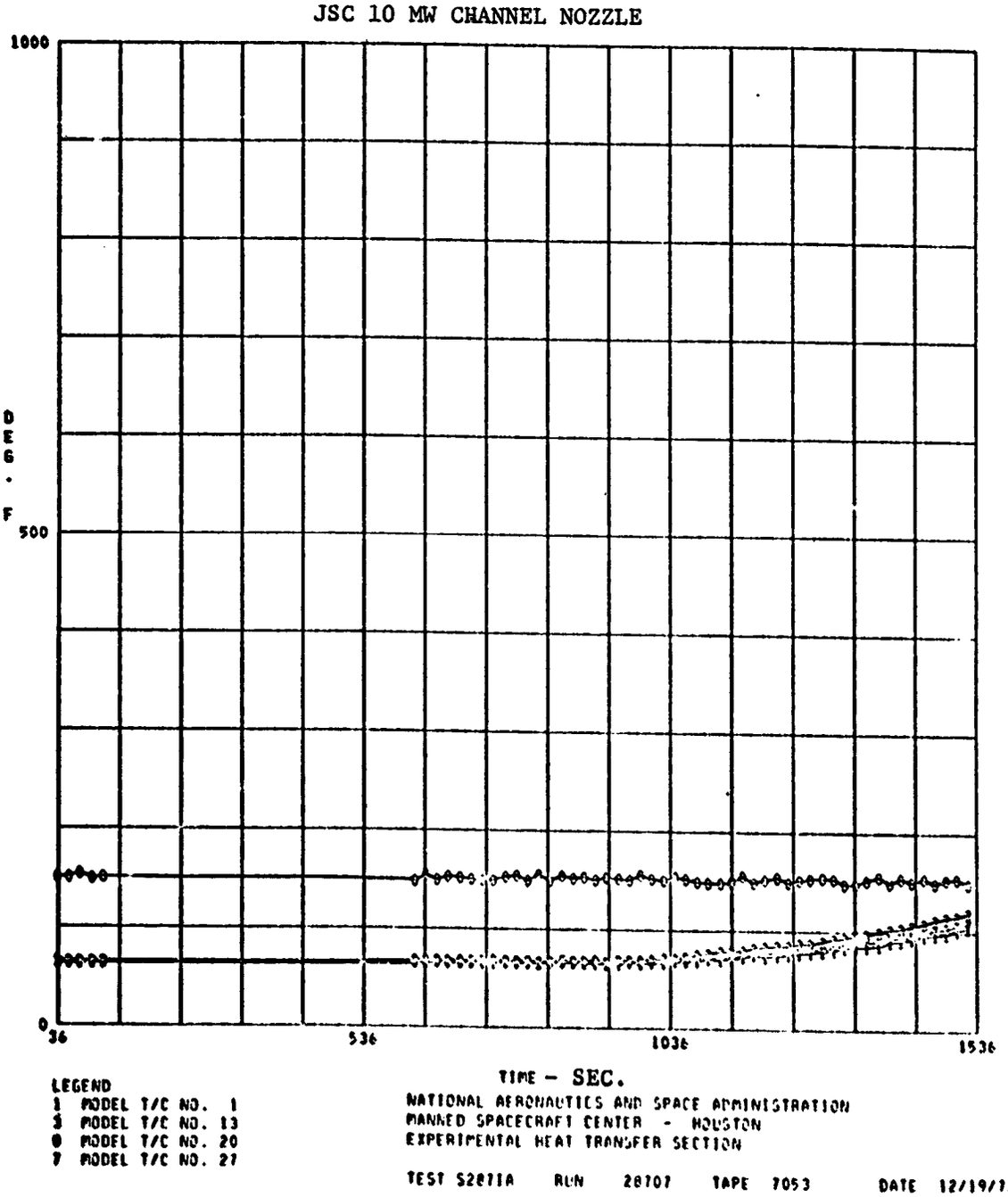


Figure 2.4-54

MEASURED TEMPERATURES IN TRANSVERSE GAP FORWARD FACING STEP, TILE A 2.00 INCH BUTT JOINT, 0.10 INCH GAP

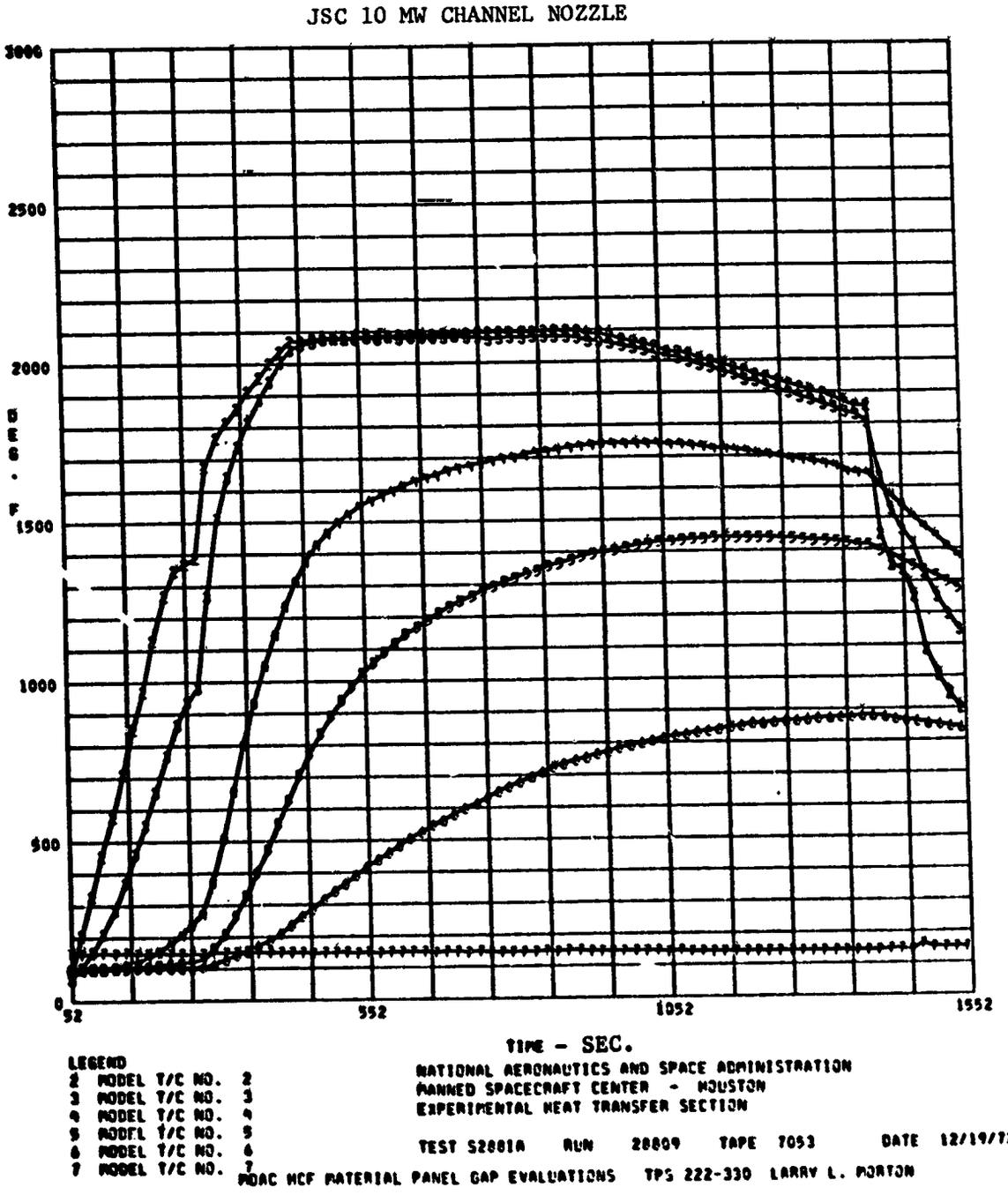


Figure 2.4-55

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MEASURED TEMPERATURES THROUGH CENTER OF TILE A, FORWARD FACING STEP MODEL 2.00 INCH BUTT JOINT, 0.10 INCH GAP

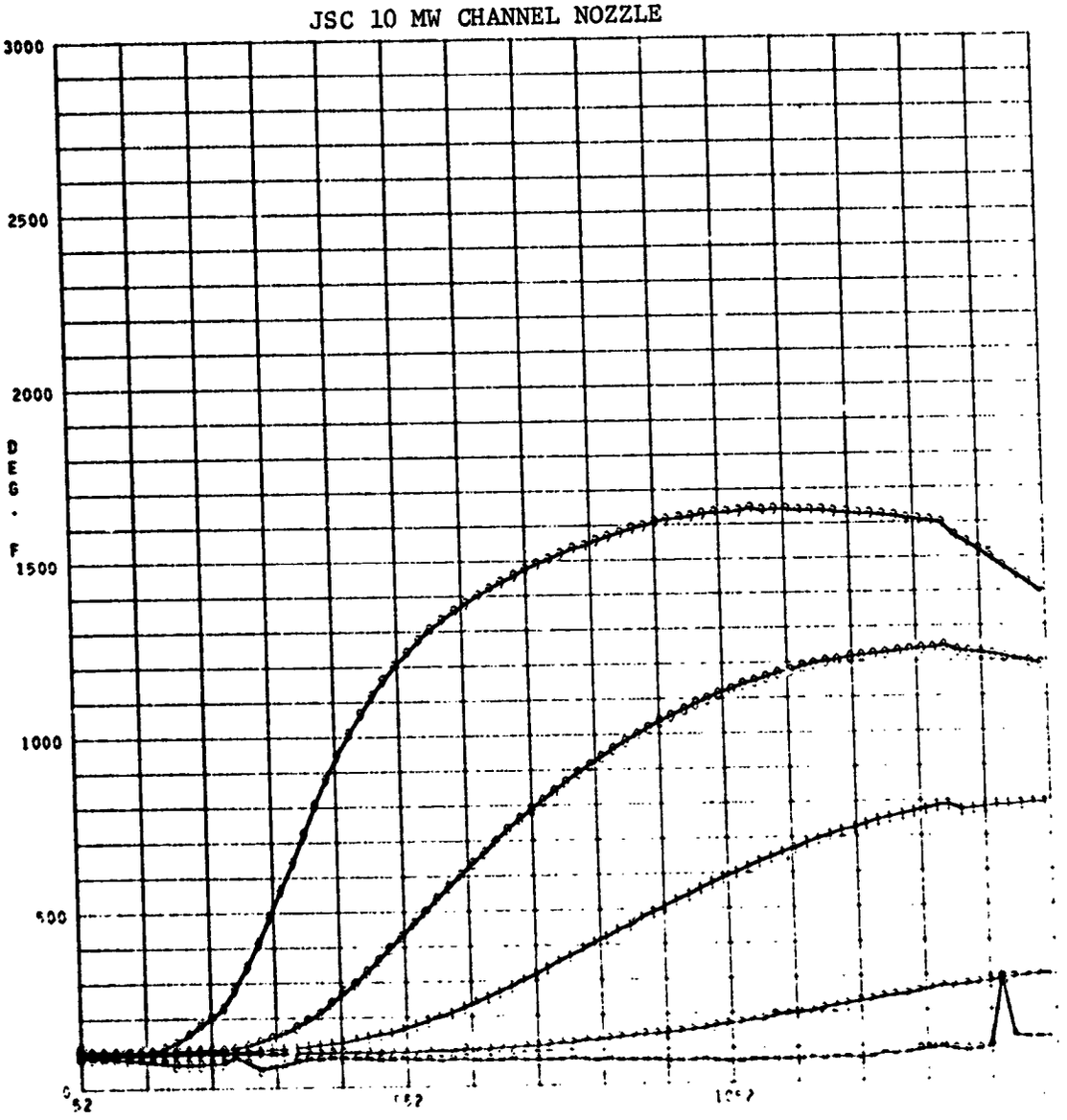


Figure 2.4-56

MEASURED TEMPERATURES IN IN-LINE GAP FORWARD FACING STEP, TILE B 2.00 INCH BUTT JOINT, 0.10 INCH GAP

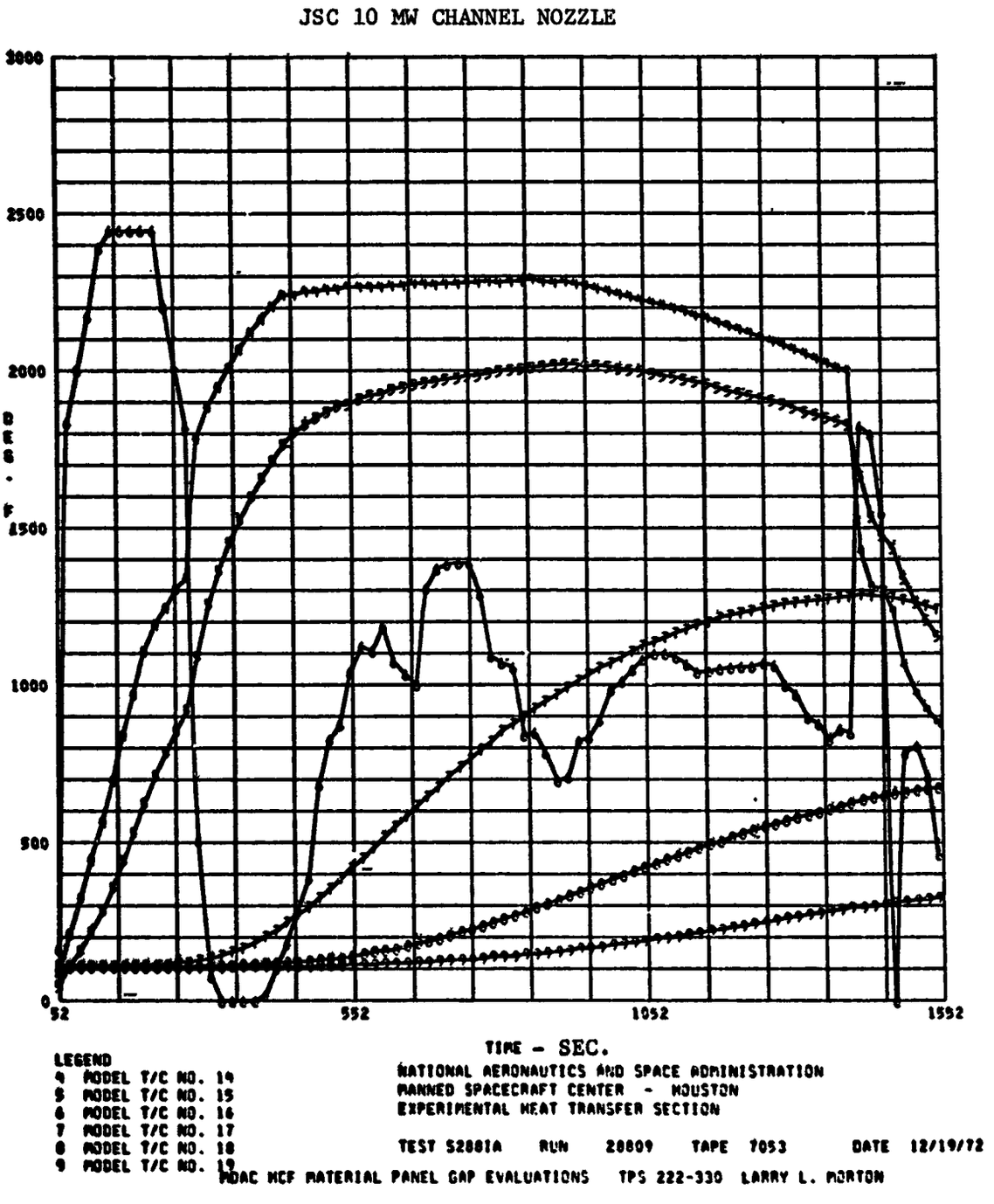


Figure 2.4-57

MEASURED TEMPERATURES IN IN-LINE GAP FORWARD FACING STEP, TILE C 2.00 INCH BUTT JOINT, 0.10 INCH GAP

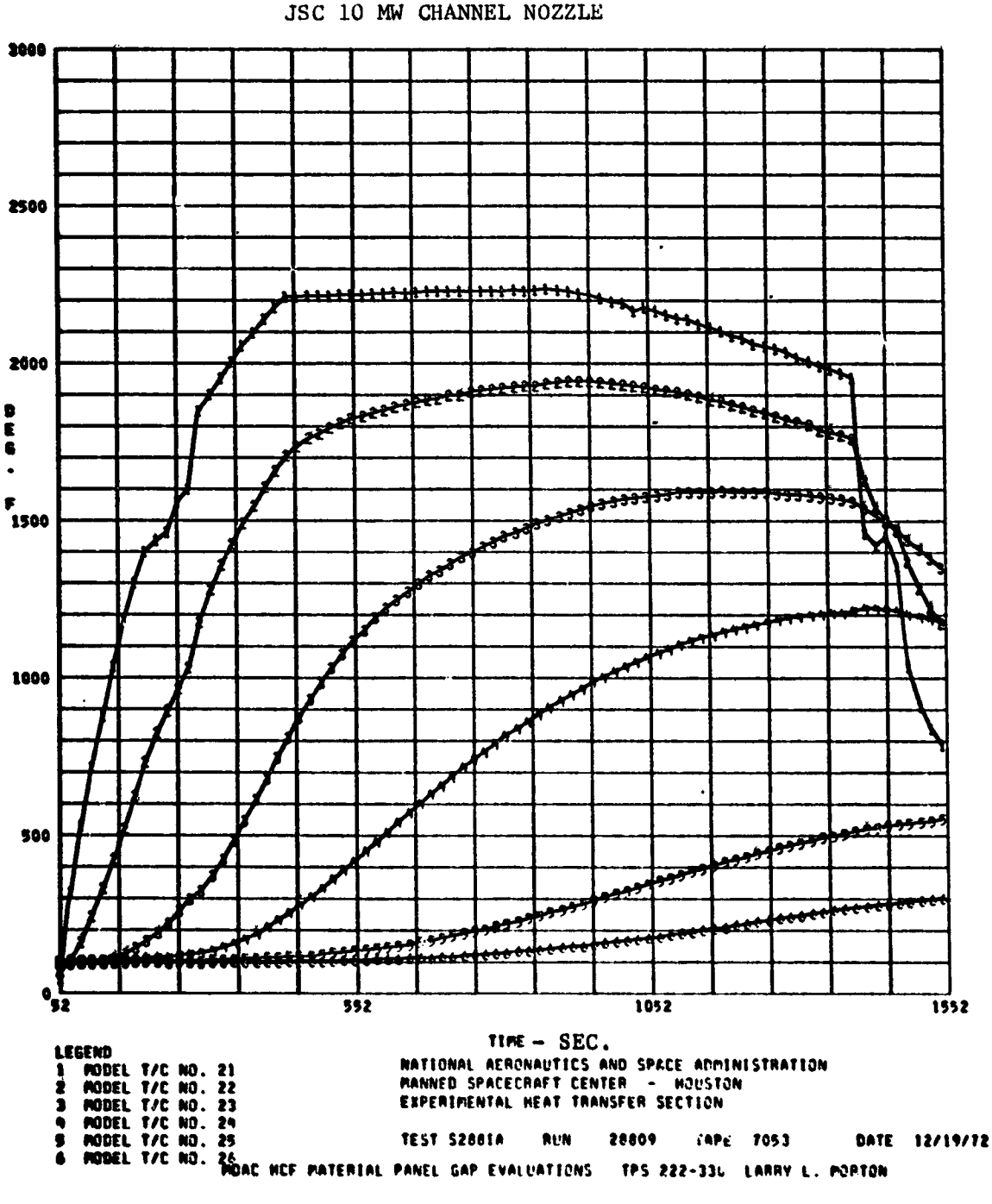


Figure 2.4-58

MEASURED TEMPERATURES IN TRANSVERSE GAP FORWARD FACING STEP, TILE D 2.00 INCH BUTT JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

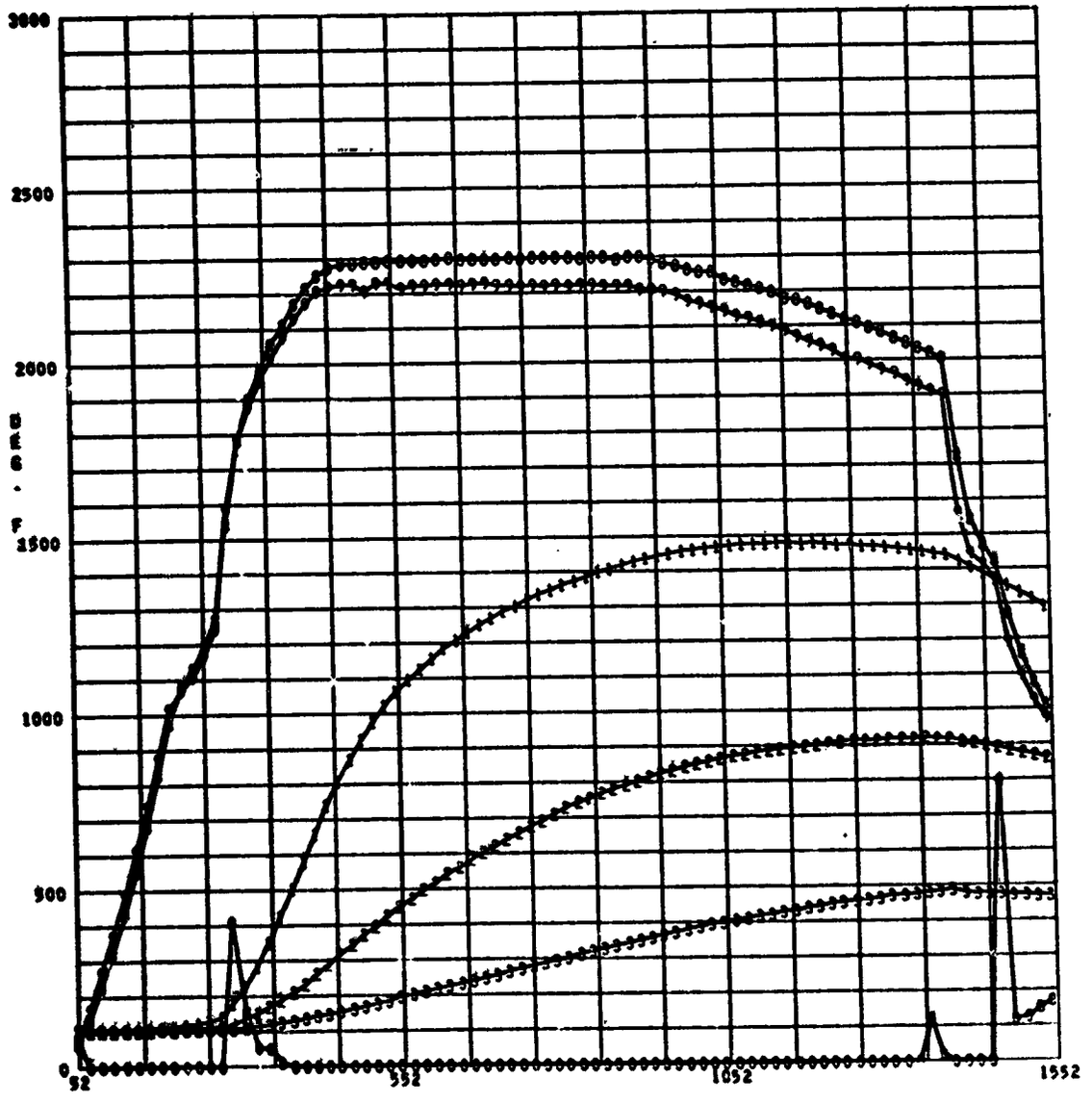


Figure 2.4-59

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.00 INCH BUTT JOINT, FORWARD FACING STEP 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

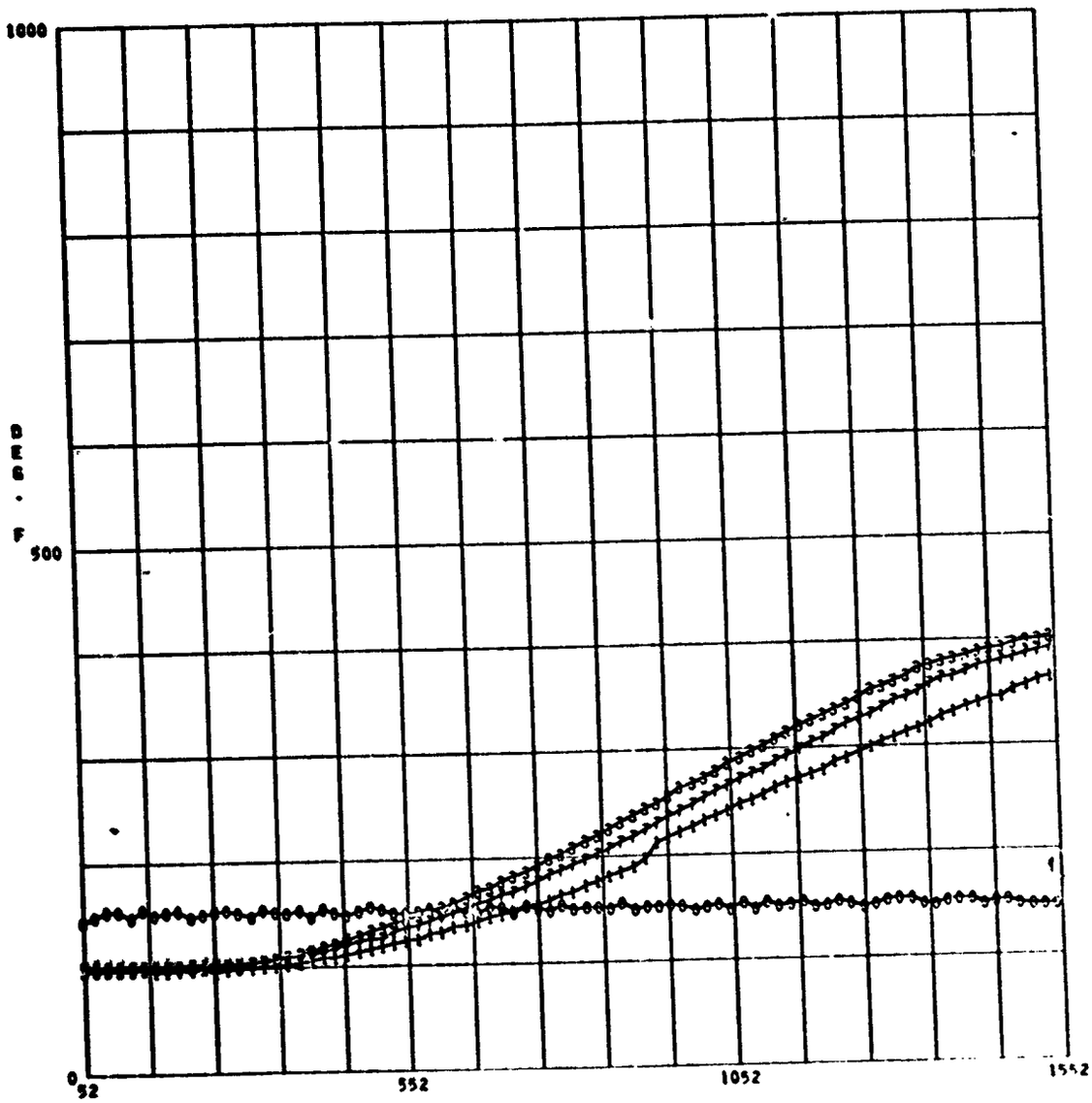


Figure 2.4-60

MEASURED TEMPERATURES IN IN-LINE GAP FORWARD FACING STEP, TILE B 2.00 INCH BUTT JOINT, 0.15 INCH GAP

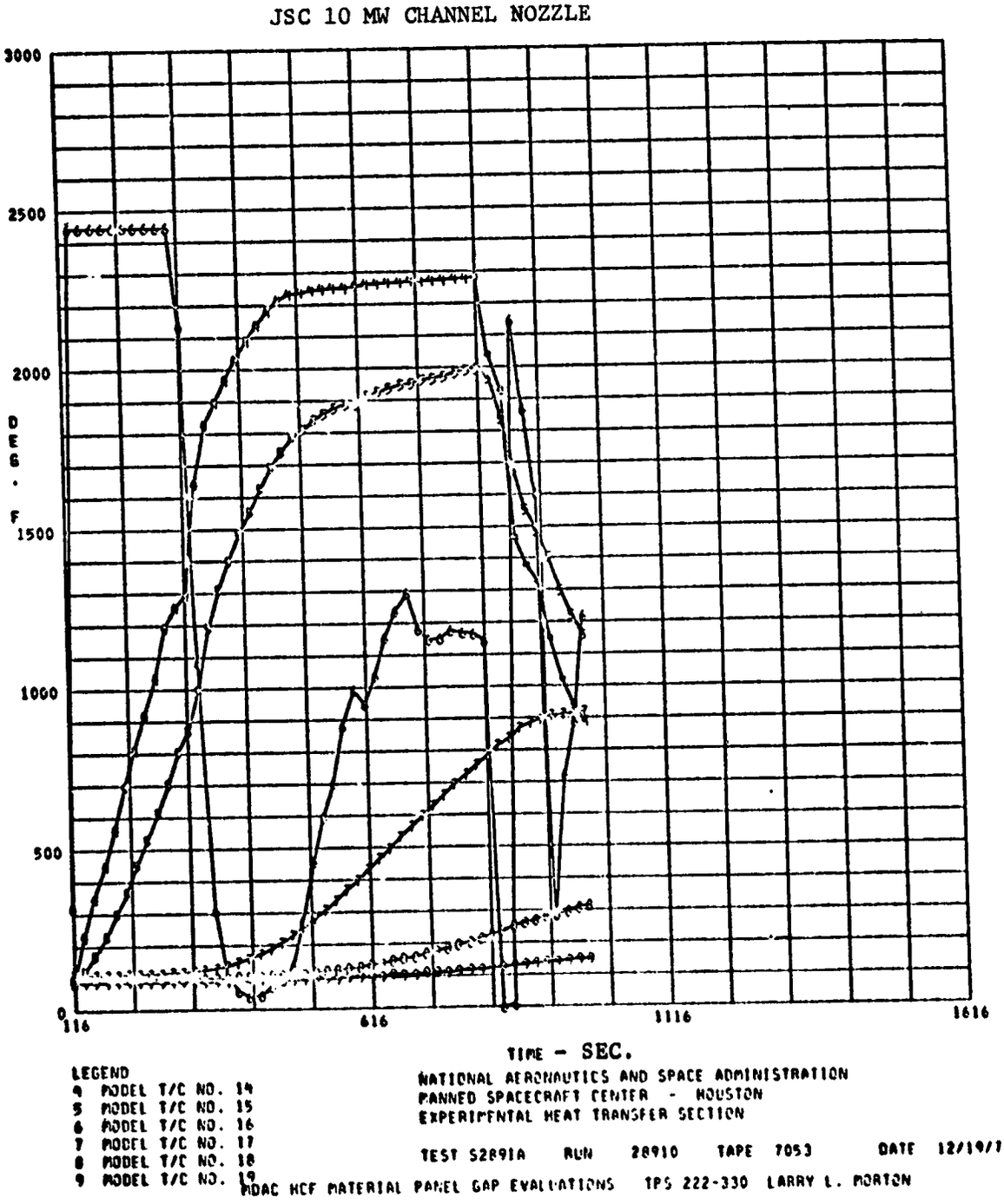


Figure 2.4-61

MEASURED TEMPERATURES IN IN-LINE GAP FORWARD FACING STEP, TILE C 2.00 INCH BUTT JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

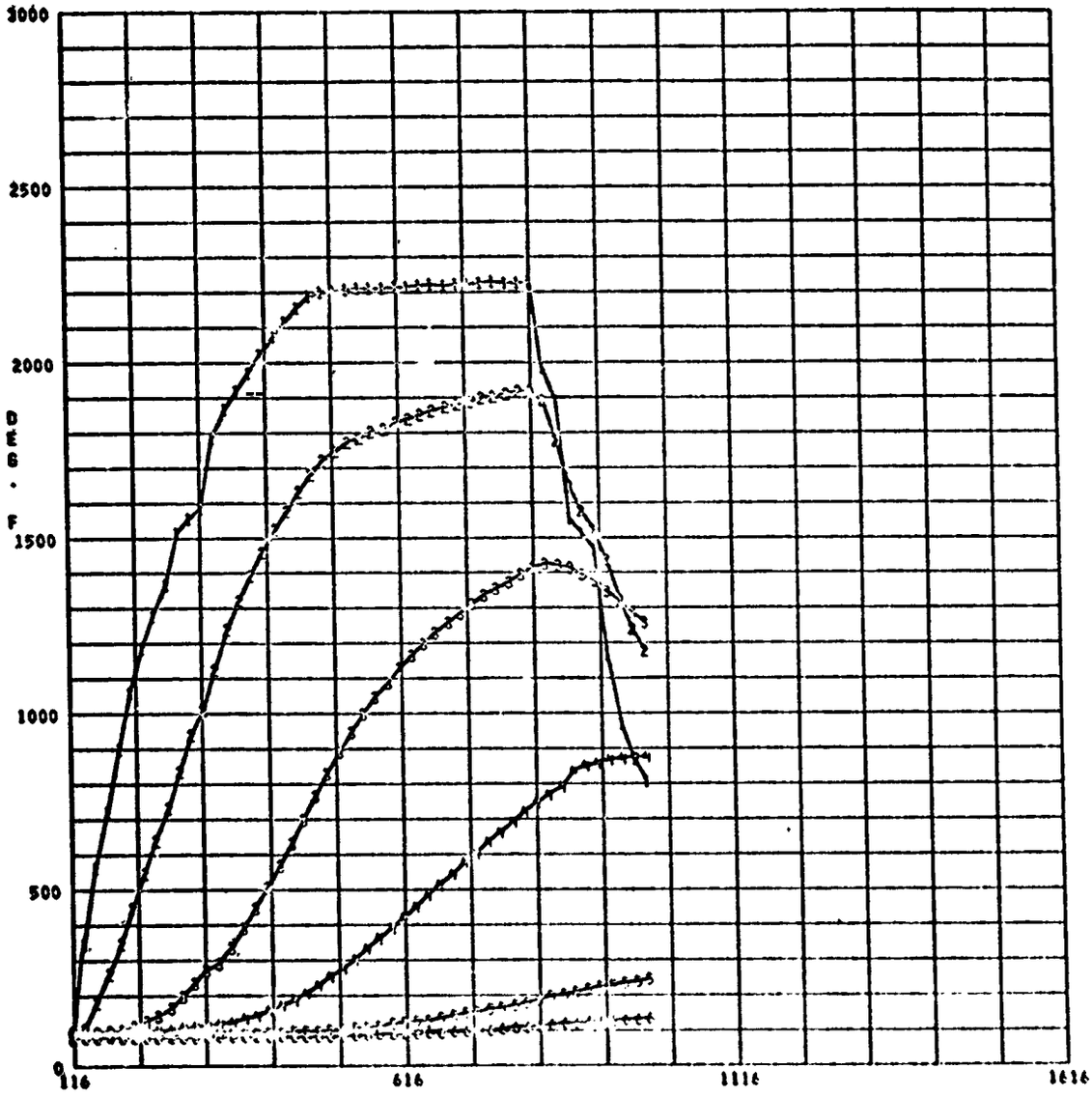


Figure 2.4-62

MEASURED TEMPERATURES IN TRANSVERSE GAP FORWARD FACING STEP, TILE D 2.00 INCH BUTT JOINT, 0.15 INCH GAP

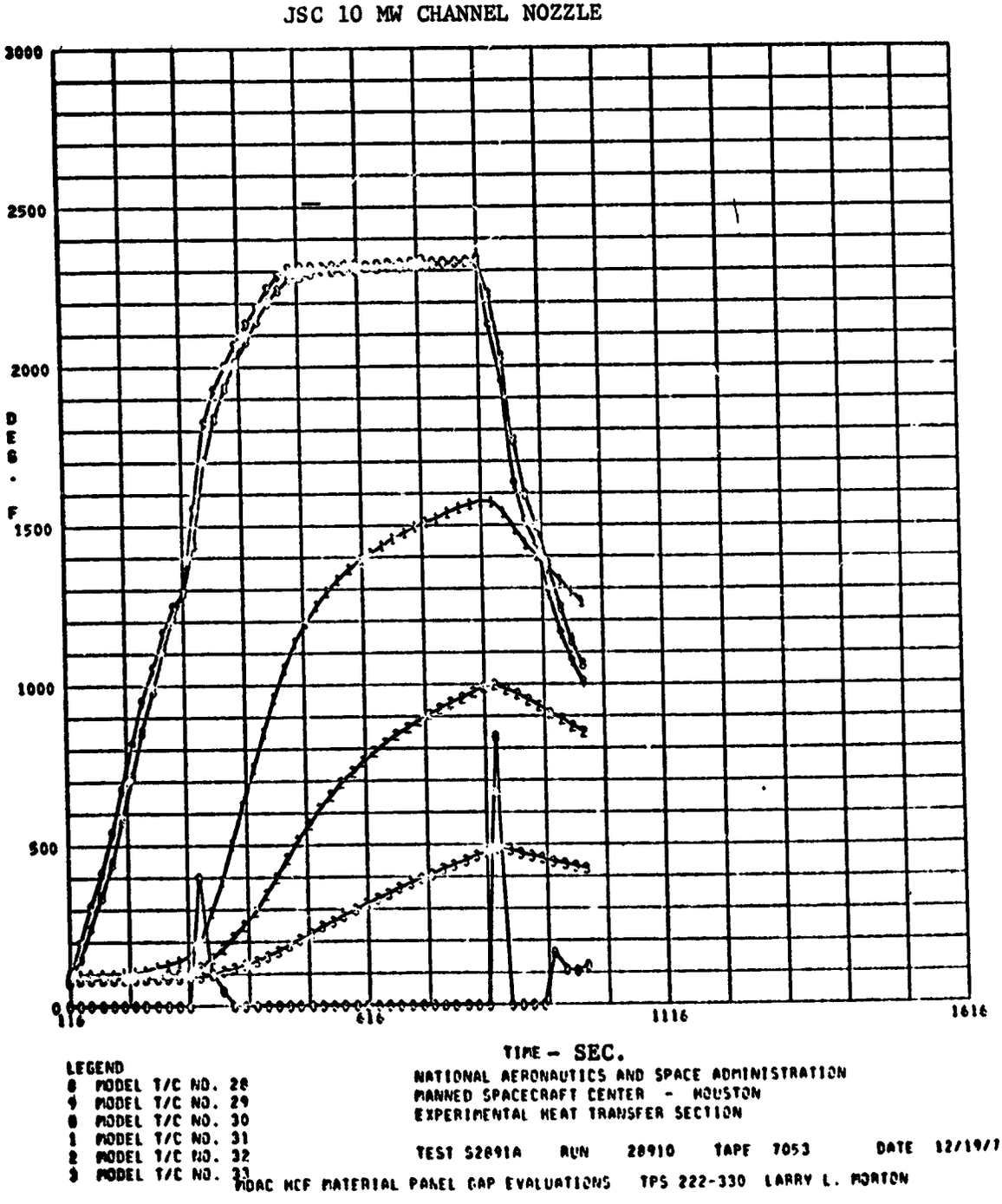


Figure 2.4-63

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.00 INCH BUTT JOINT, FORWARD FACING STEP 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

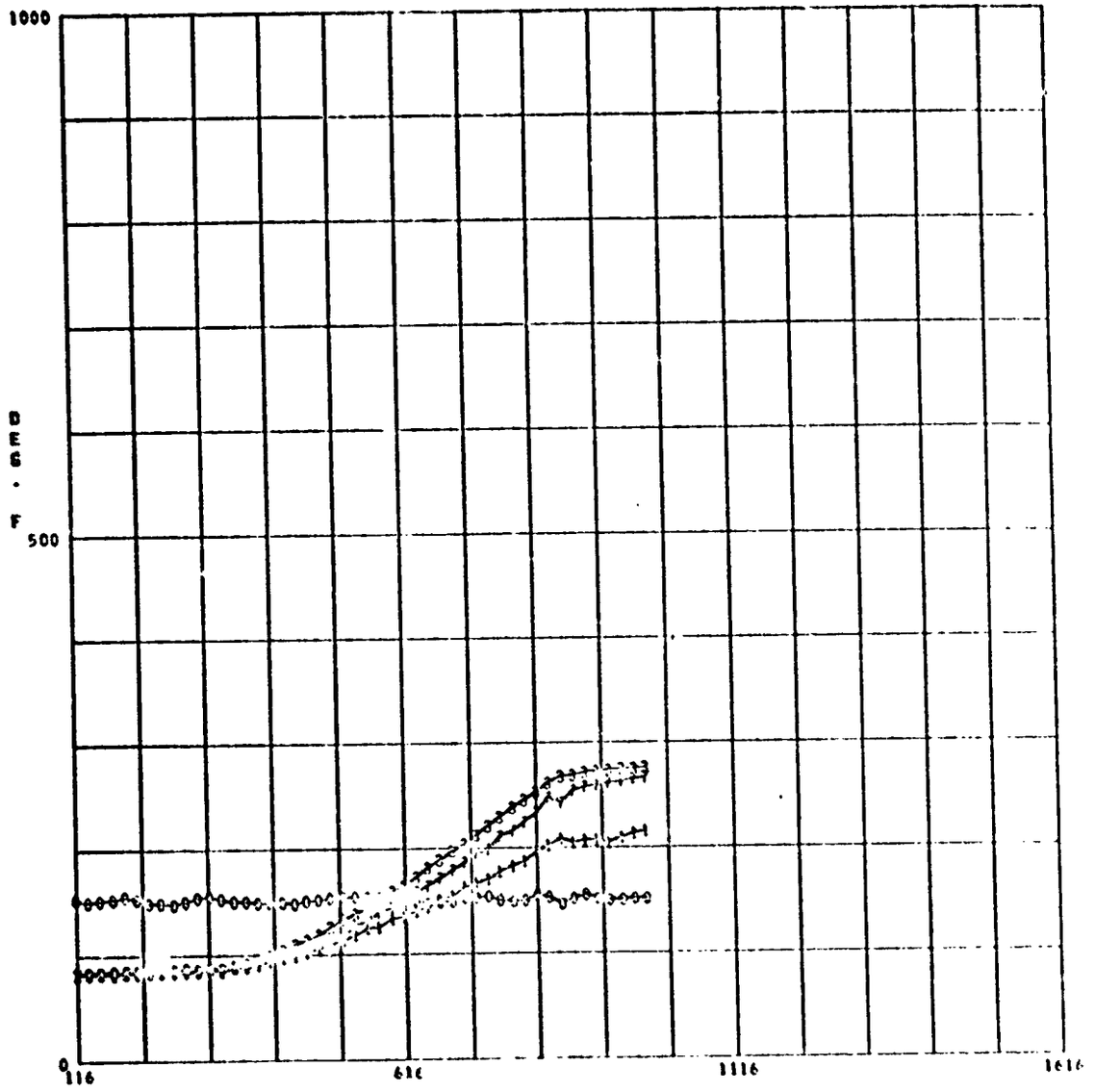


Figure 2.4-64

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH INCLINED JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

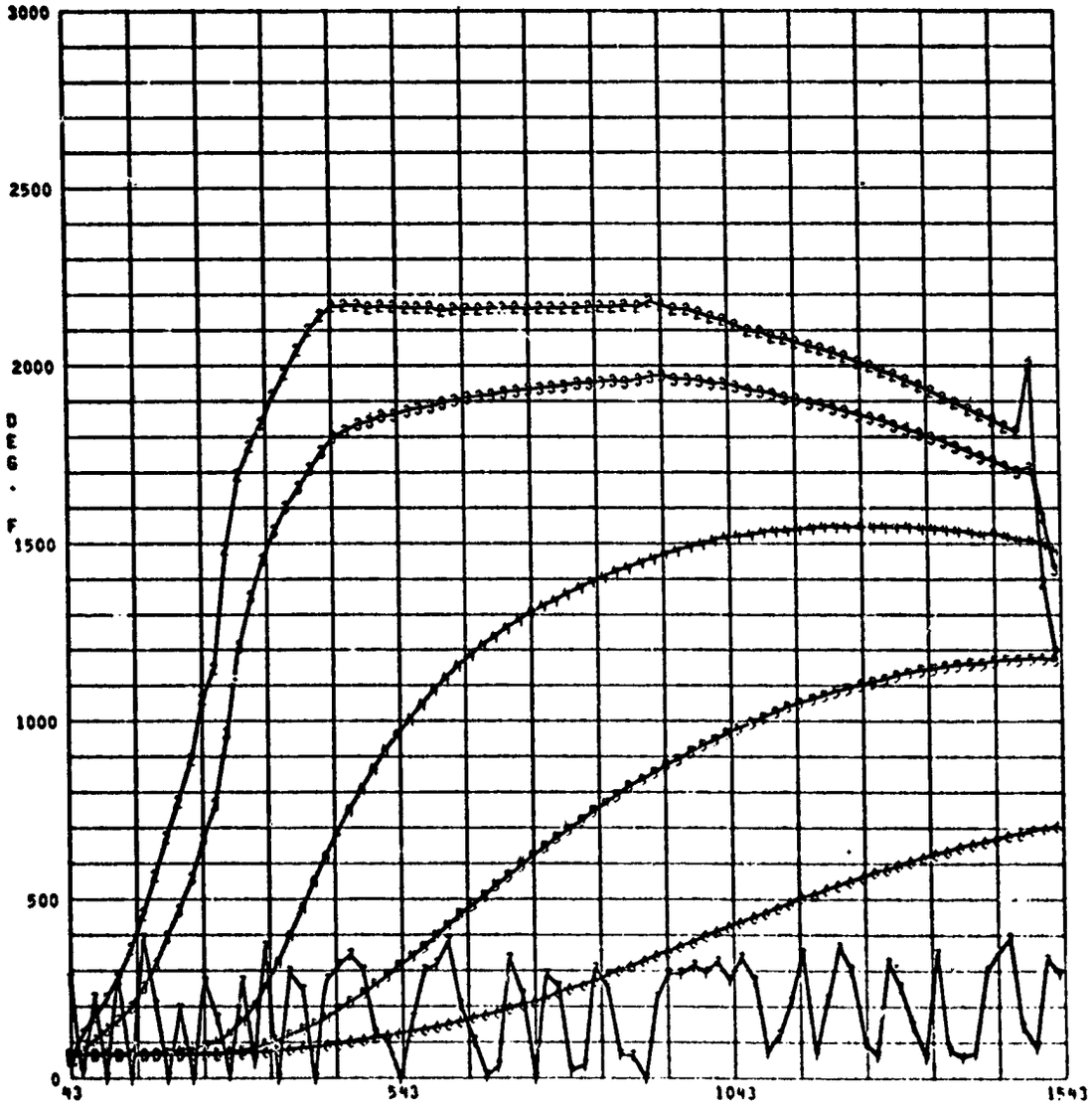


Figure 2.4-65

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 2.50 INCH INCLINED JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

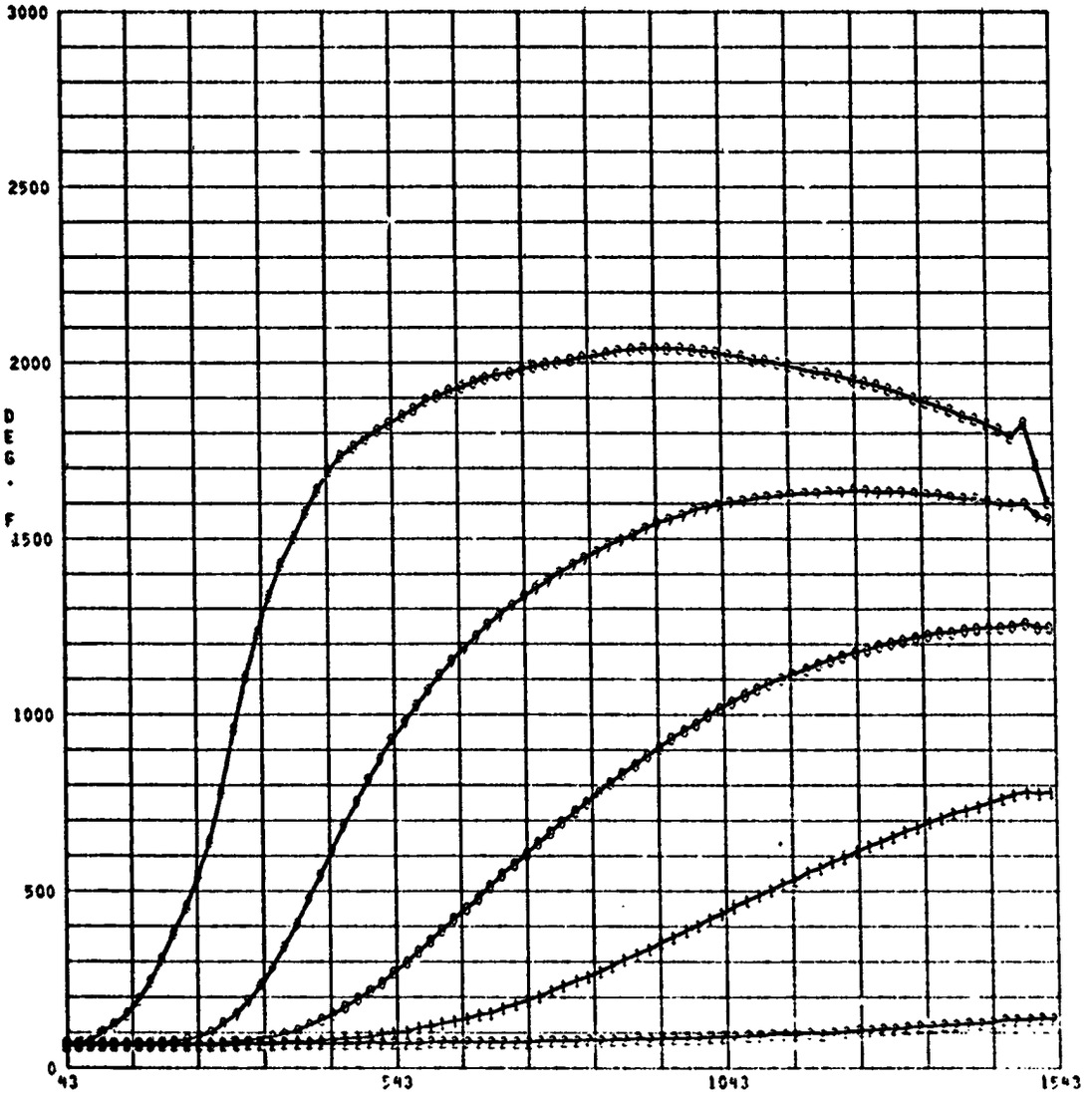


Figure 2.4-66

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH INCLINED JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

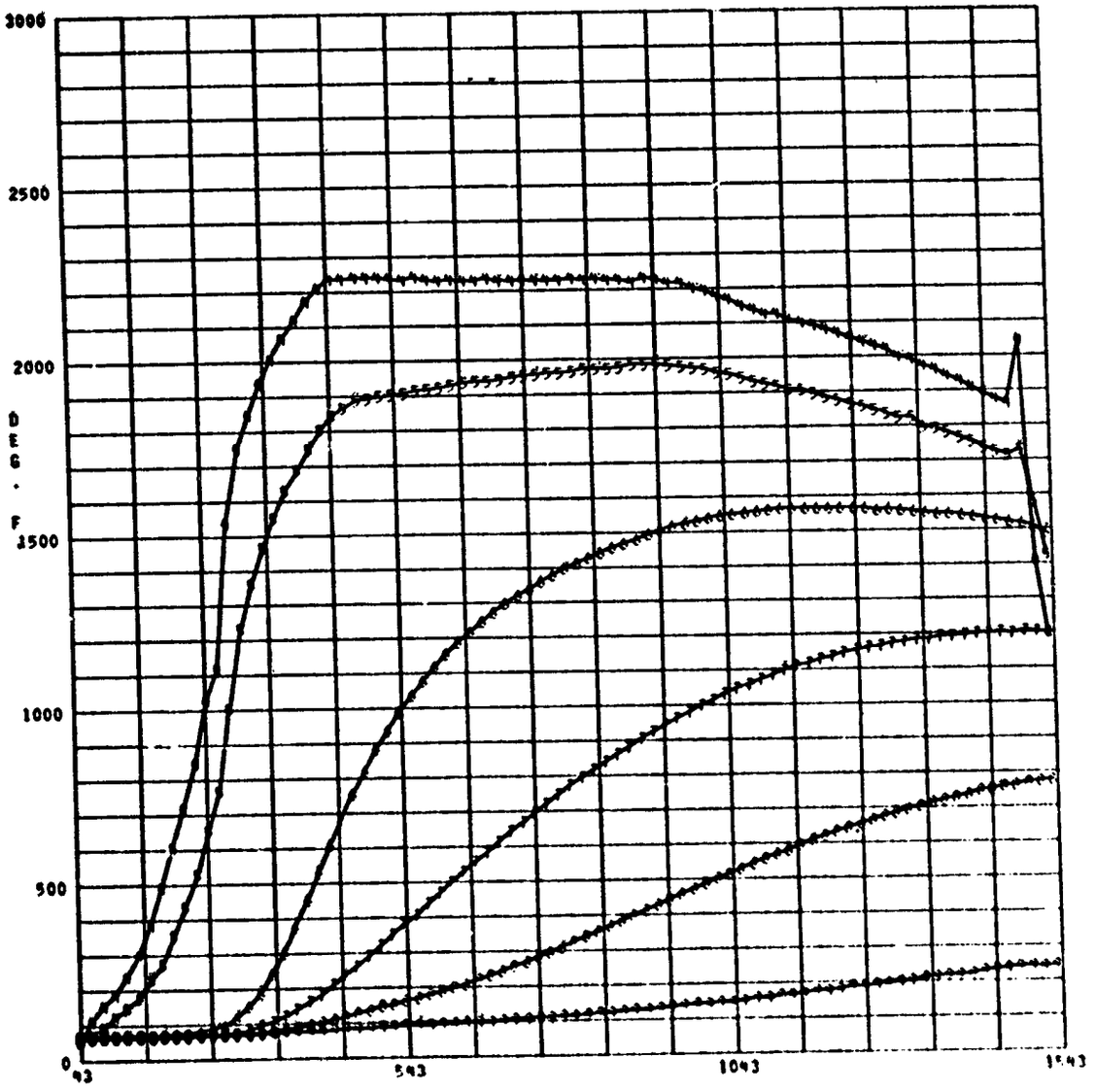


Figure 2.4-67

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH INCLINED JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

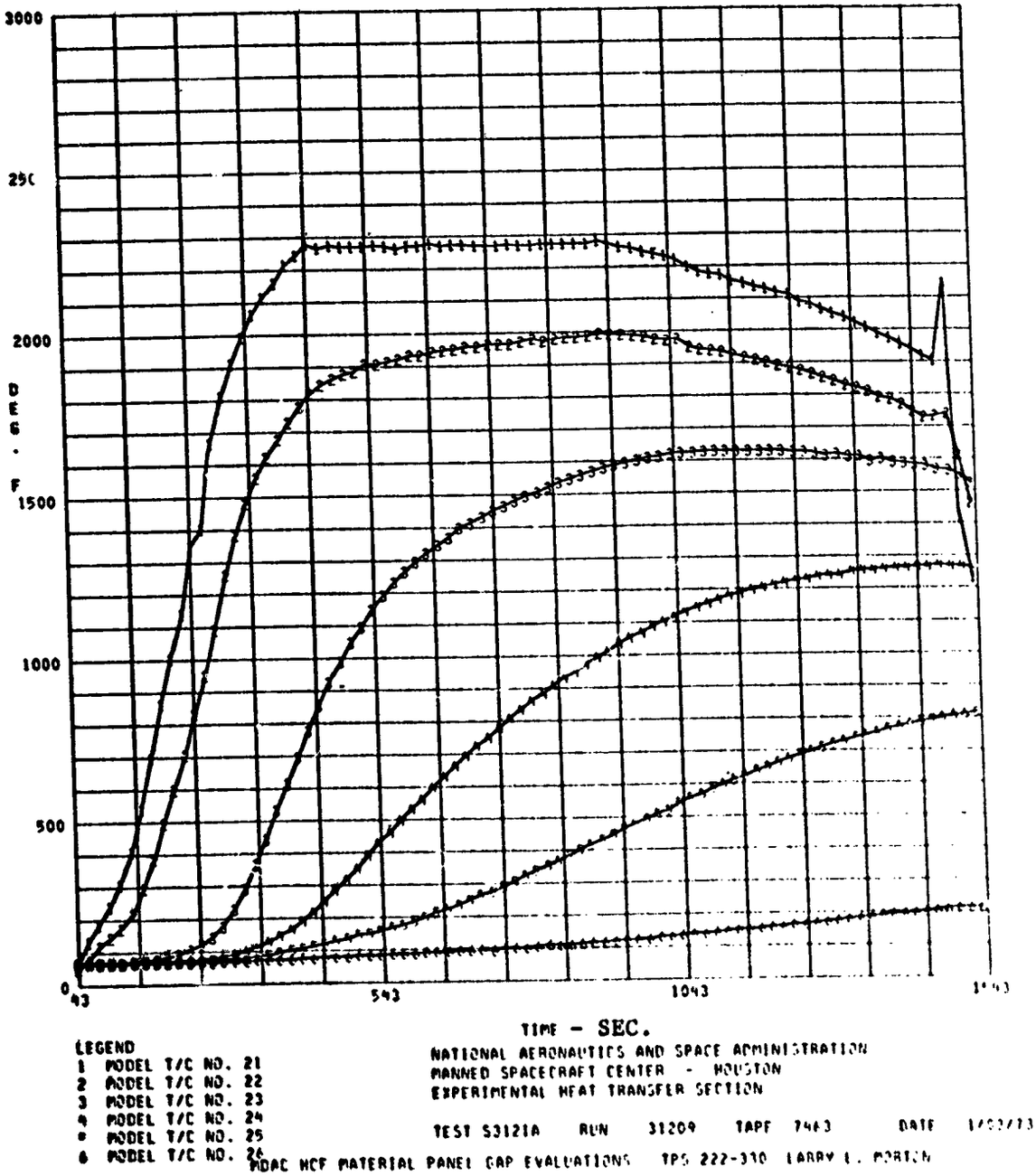


Figure 2.4-68

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.50 INCH INCLINED JOINT, 0.05 INCH GAP

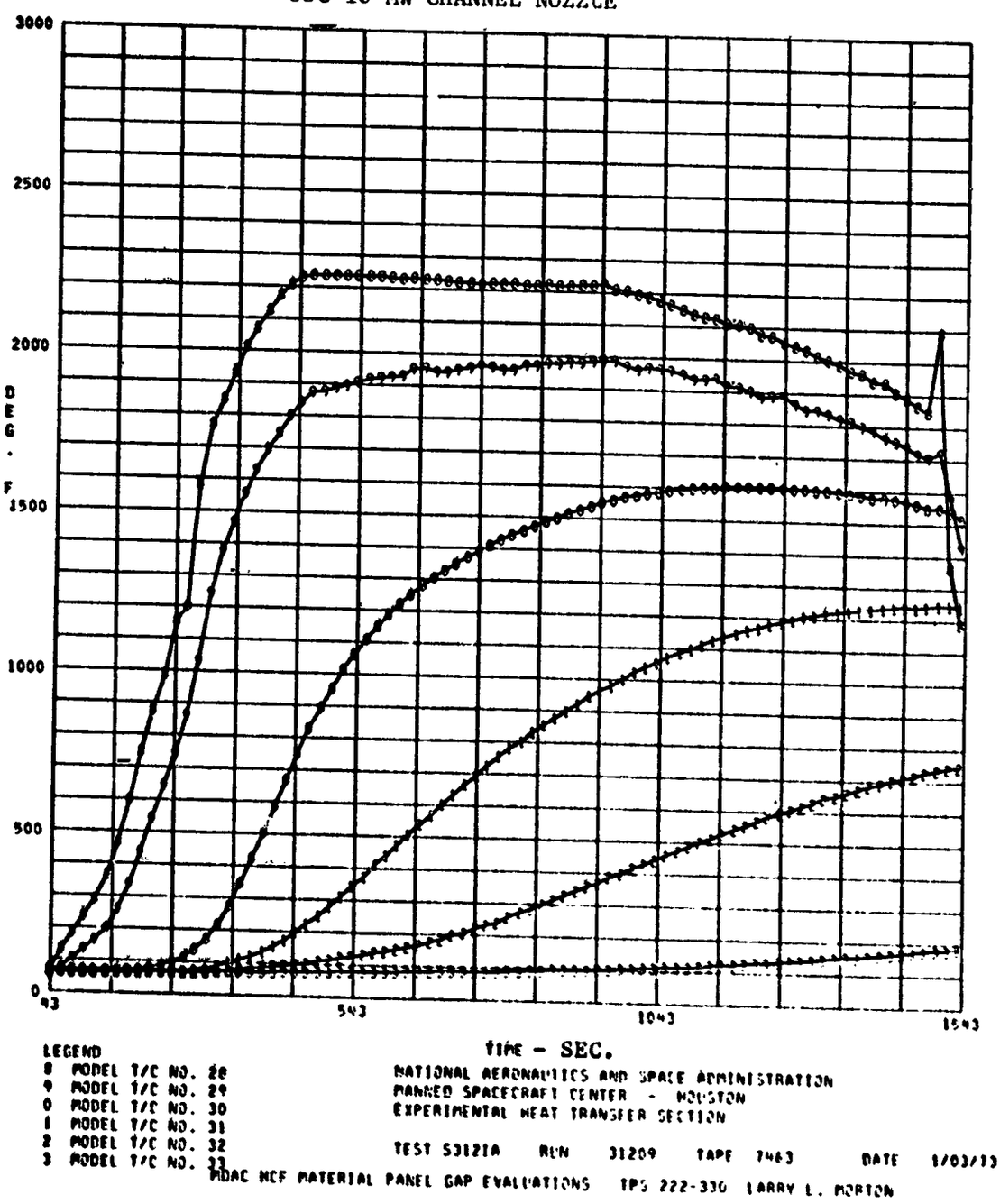


Figure 2.4-69

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH INCLINED JOINT, 0.05 INCH GAP

JSC 10 MW CHANNEL NOZZLE

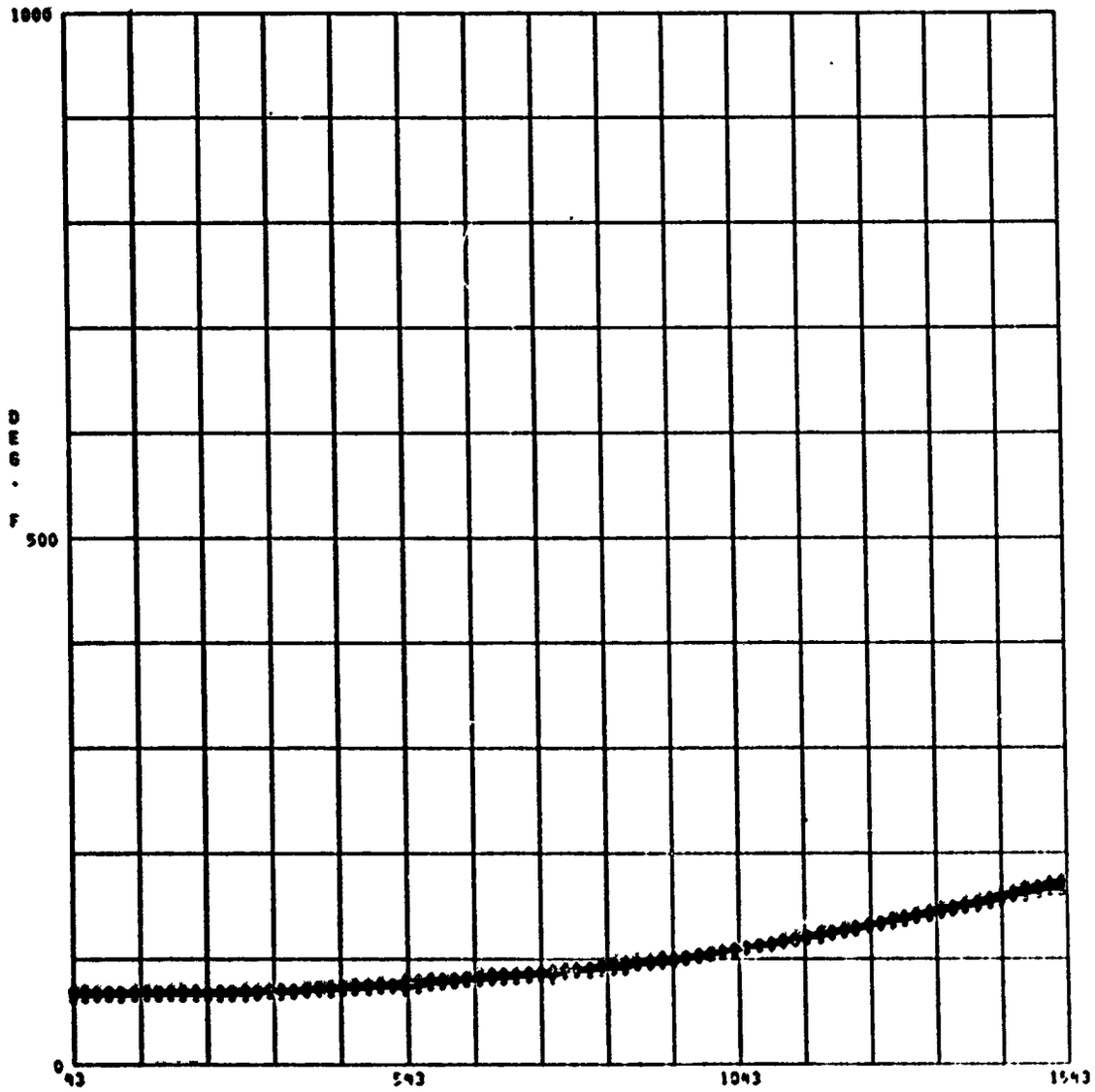


Figure 2.4-70

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH INCLINED JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

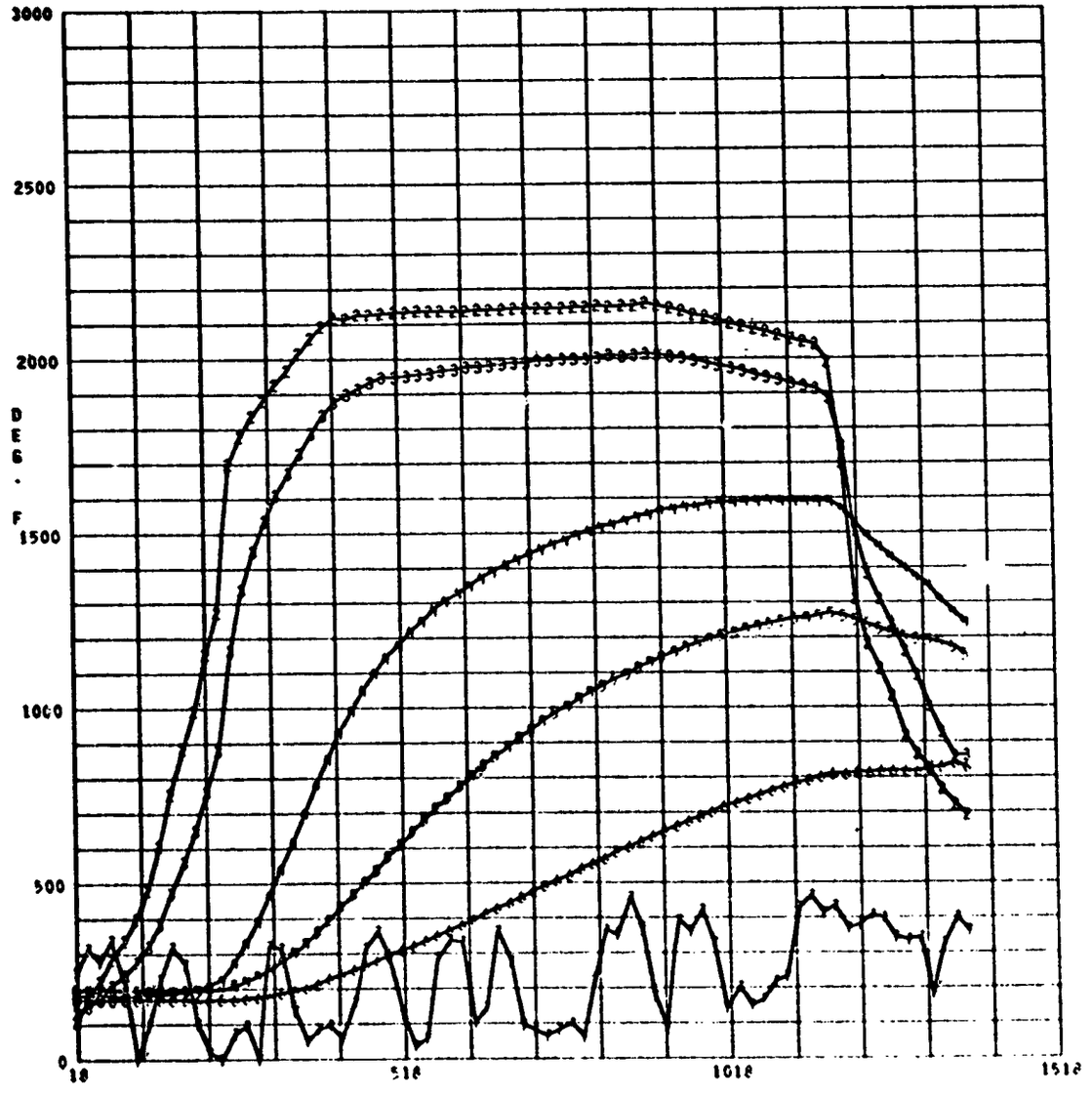


Figure 2.4-71

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 2.50 INCH INCLINED JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

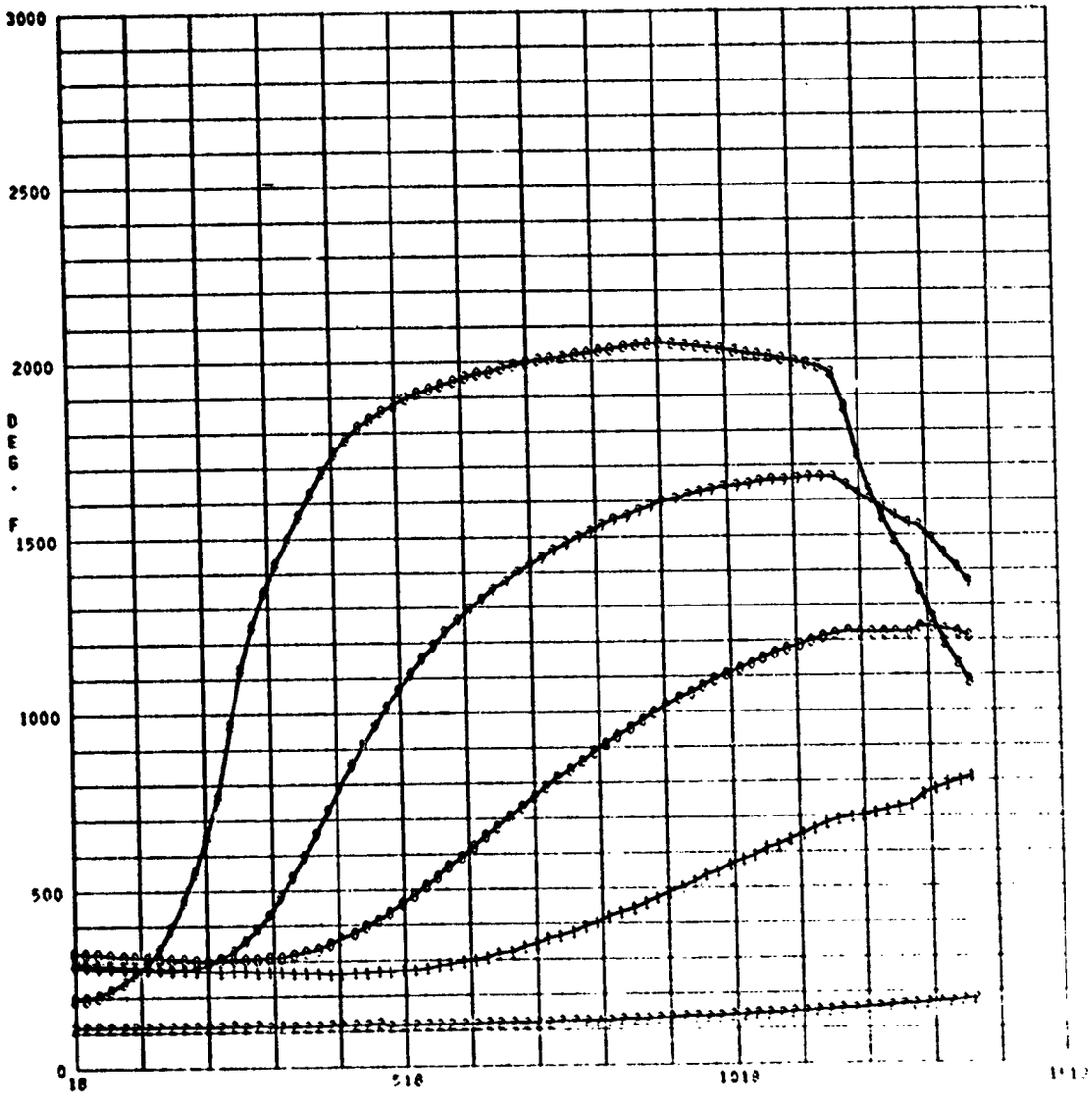


Figure 2.4-72

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH INCLINED JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

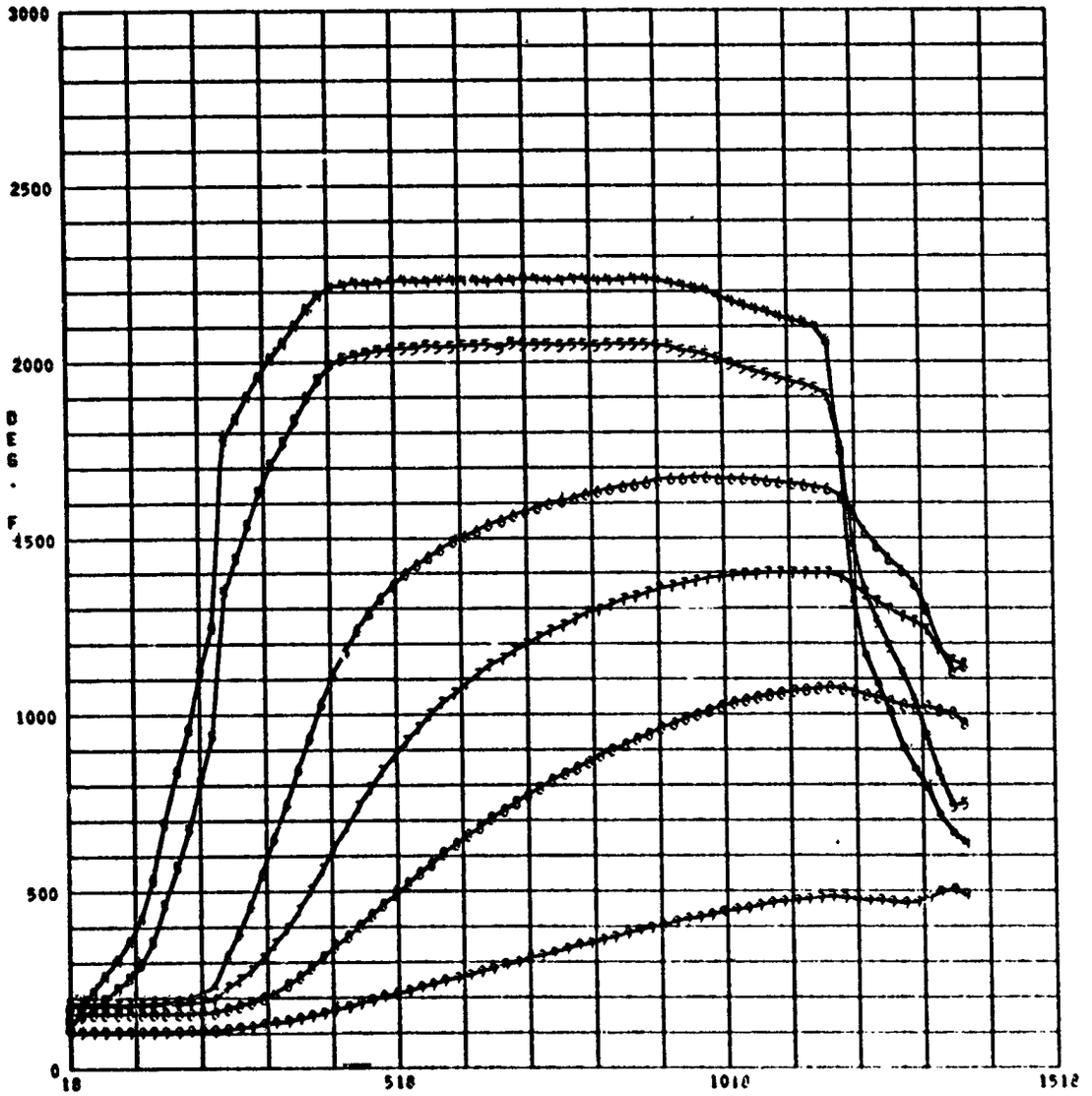


Figure 2.4-73

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH INCLINED JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE



Figure 2.4-74

MEASURED TEMPERATURES IN TRANSVERSE GAP-, TILE D 2.50 INCH INCLINED JOINT, 0.10 INCH GAP

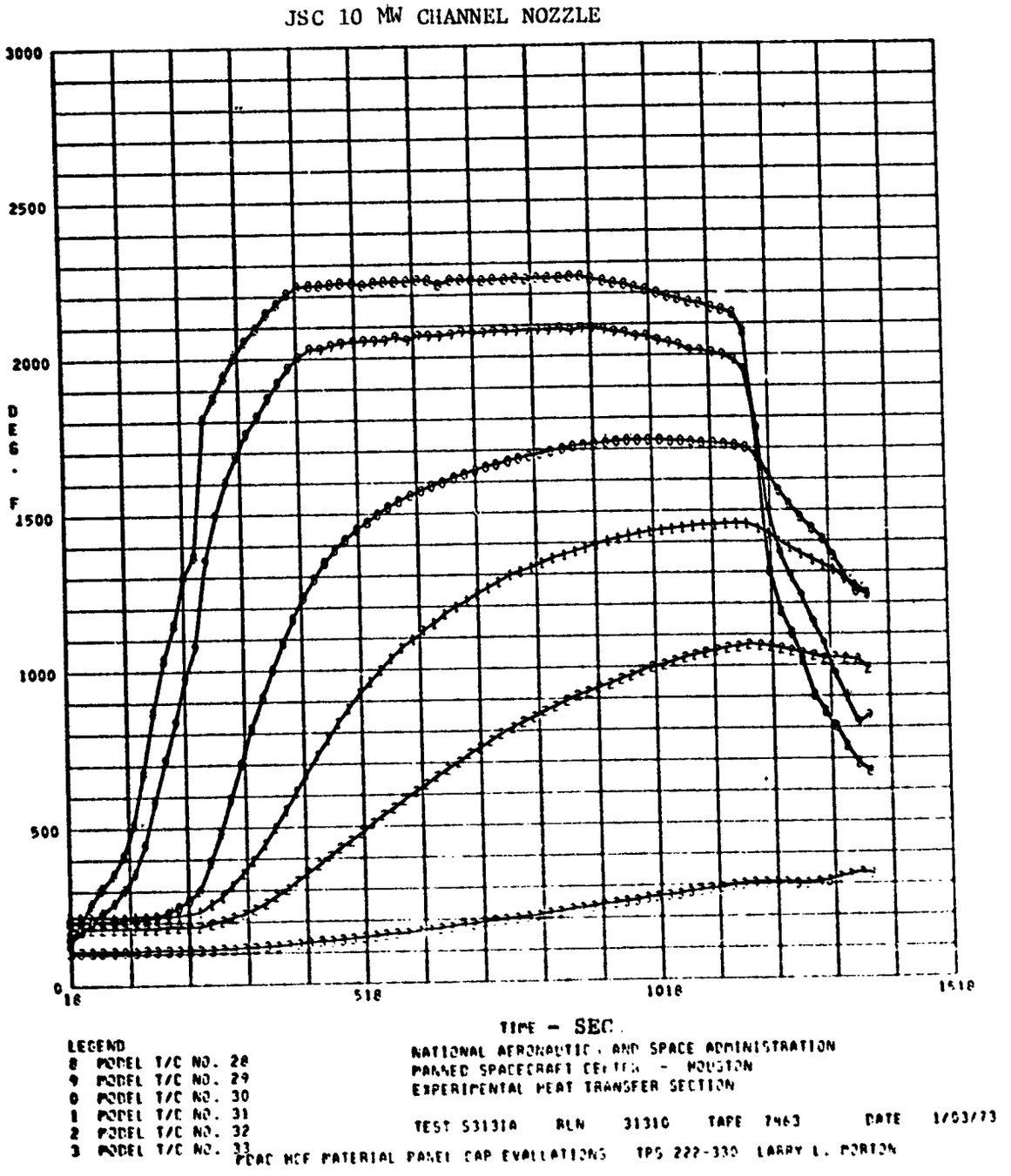


Figure 2.4-75

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH INCLINED JOINT, 0.10 INCH GAP

JSC 10 MW CHANNEL NOZZLE

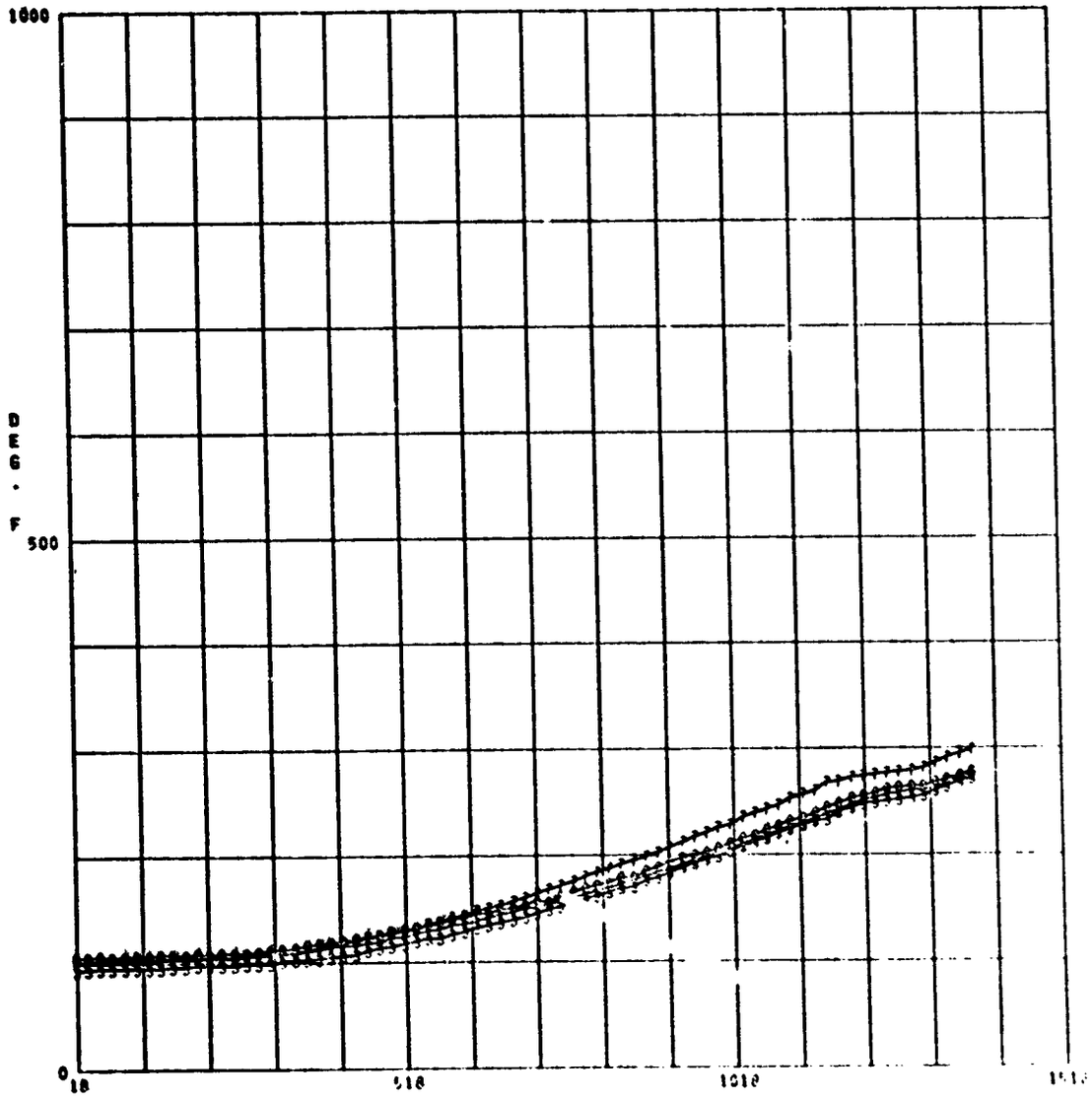


Figure 2.4-76

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH INCLINED JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

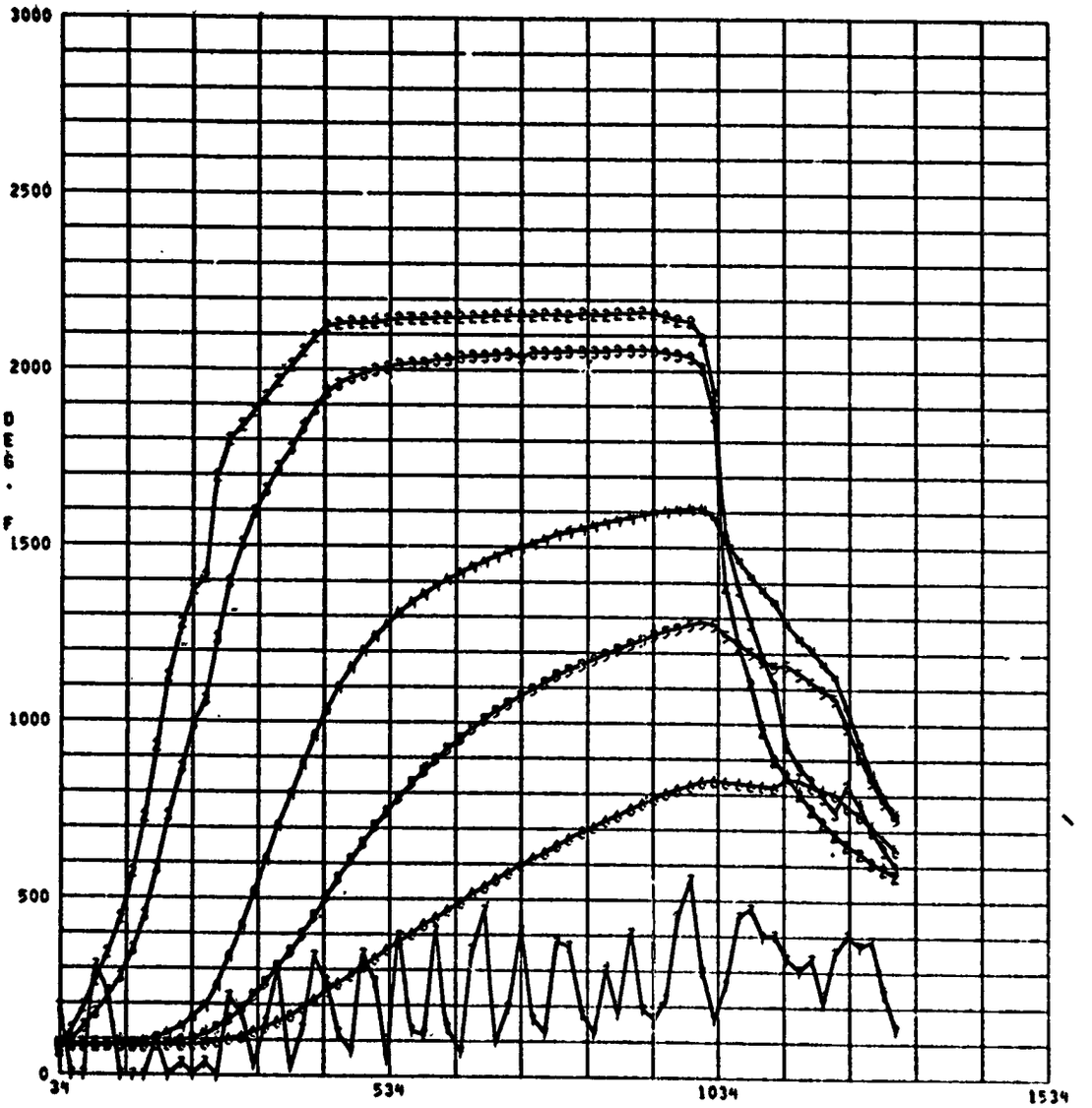


Figure 2.4-77

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 2.50 INCH INCLINED JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

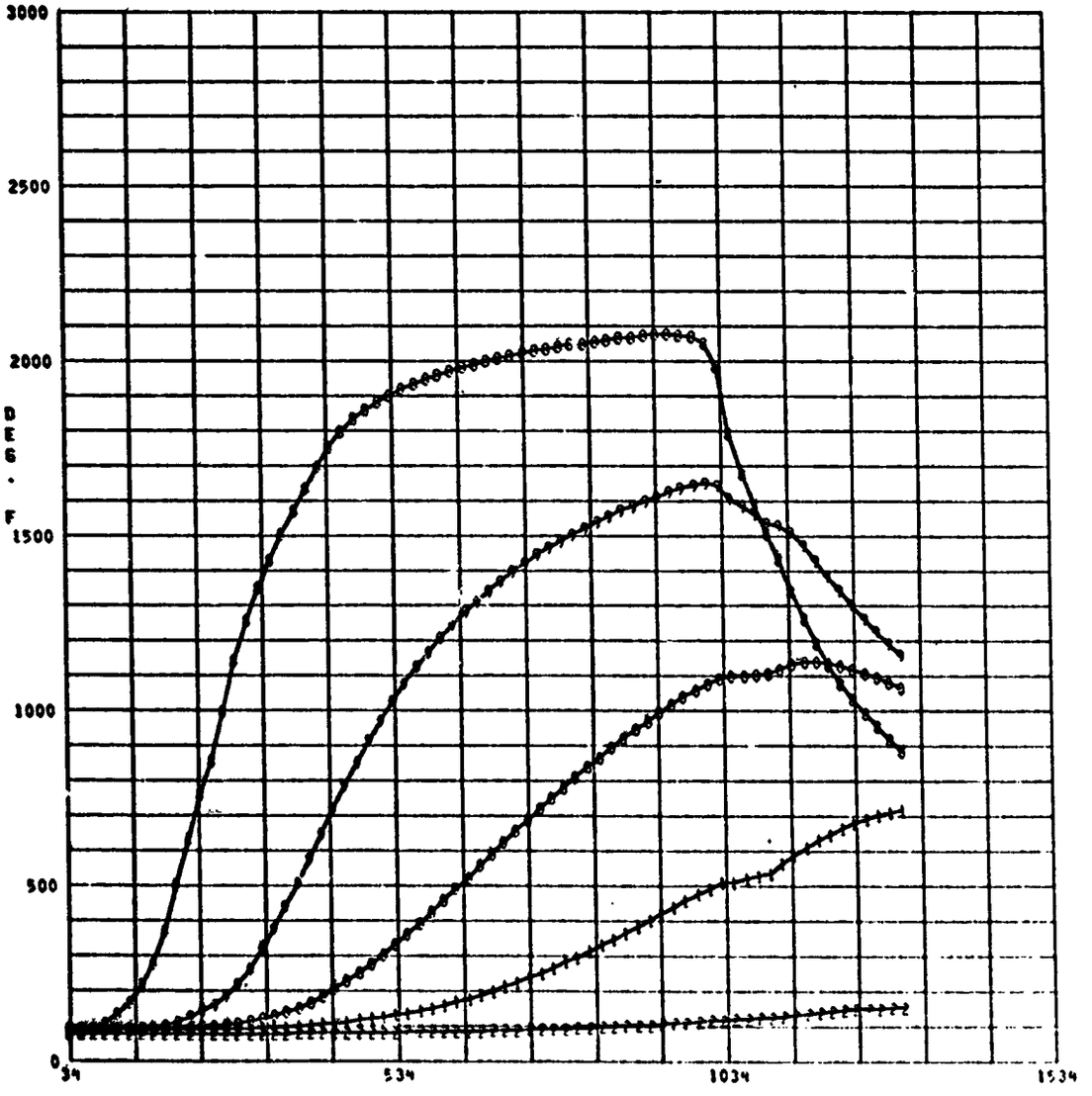


Figure 2.4-78

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH INCLINED JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

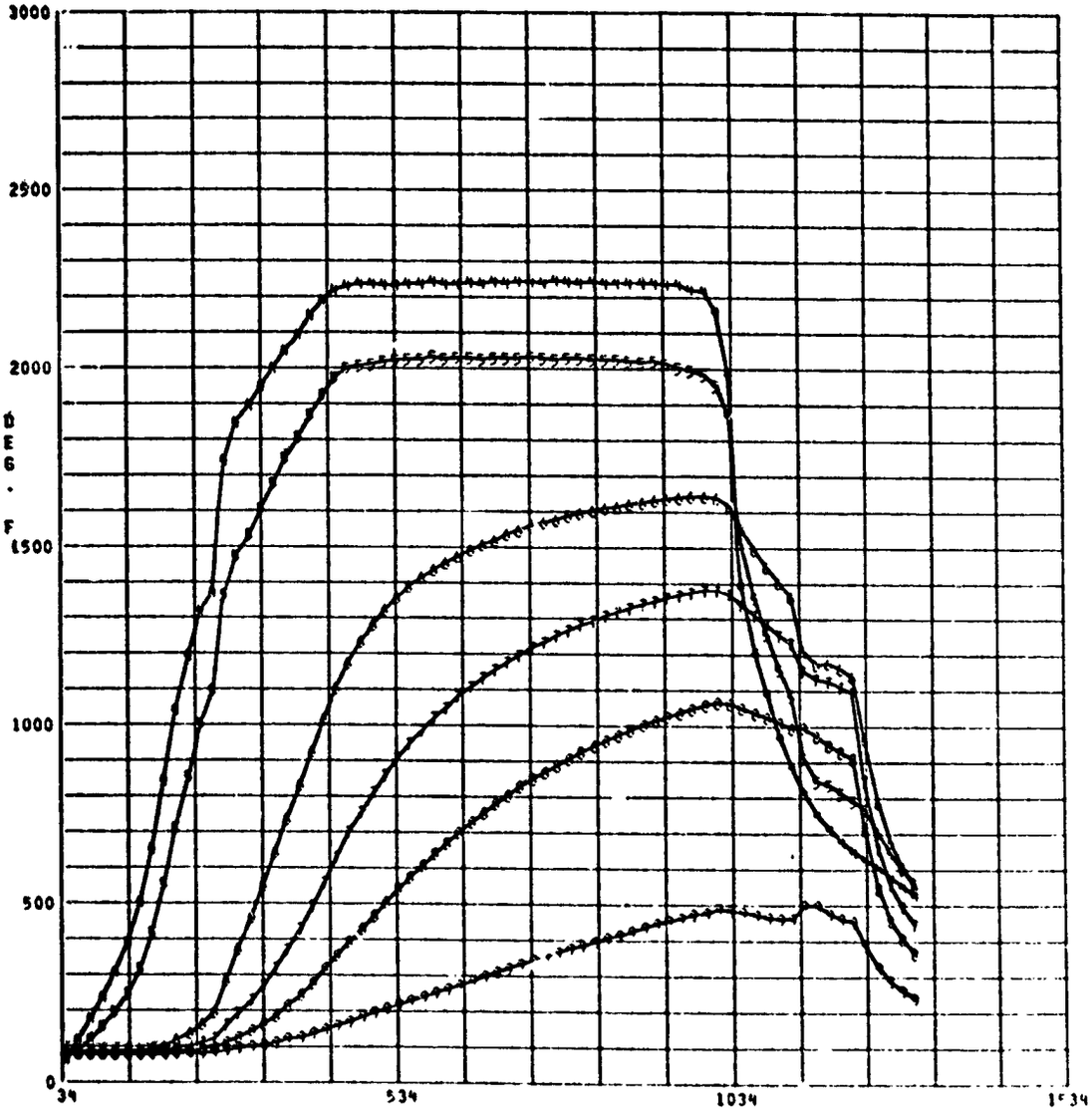


Figure 2.4-79

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH INCLINED JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

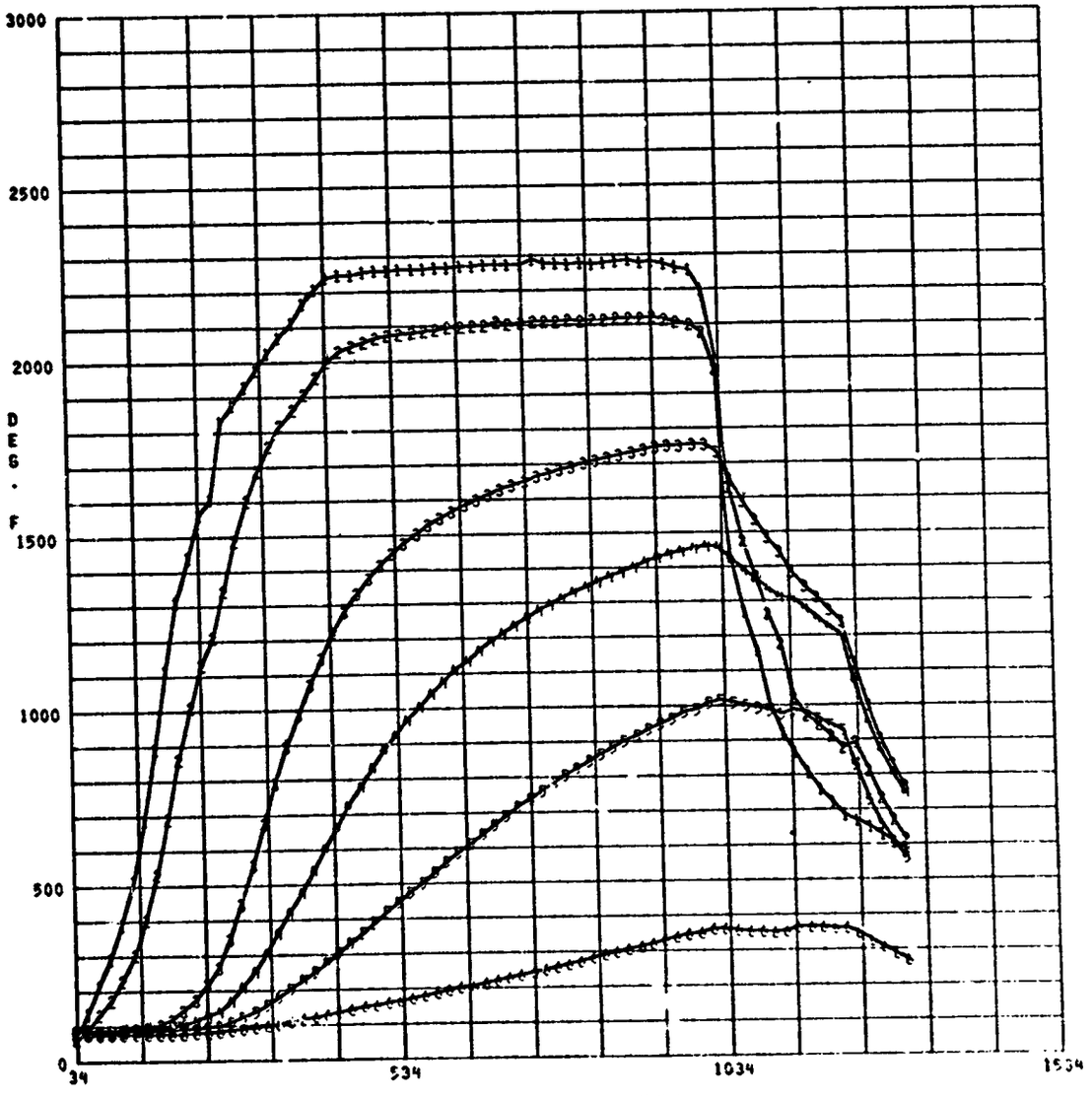


Figure 2.4-80

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.50 INCH INCLINED JOINT, 0.15 INCH GAP

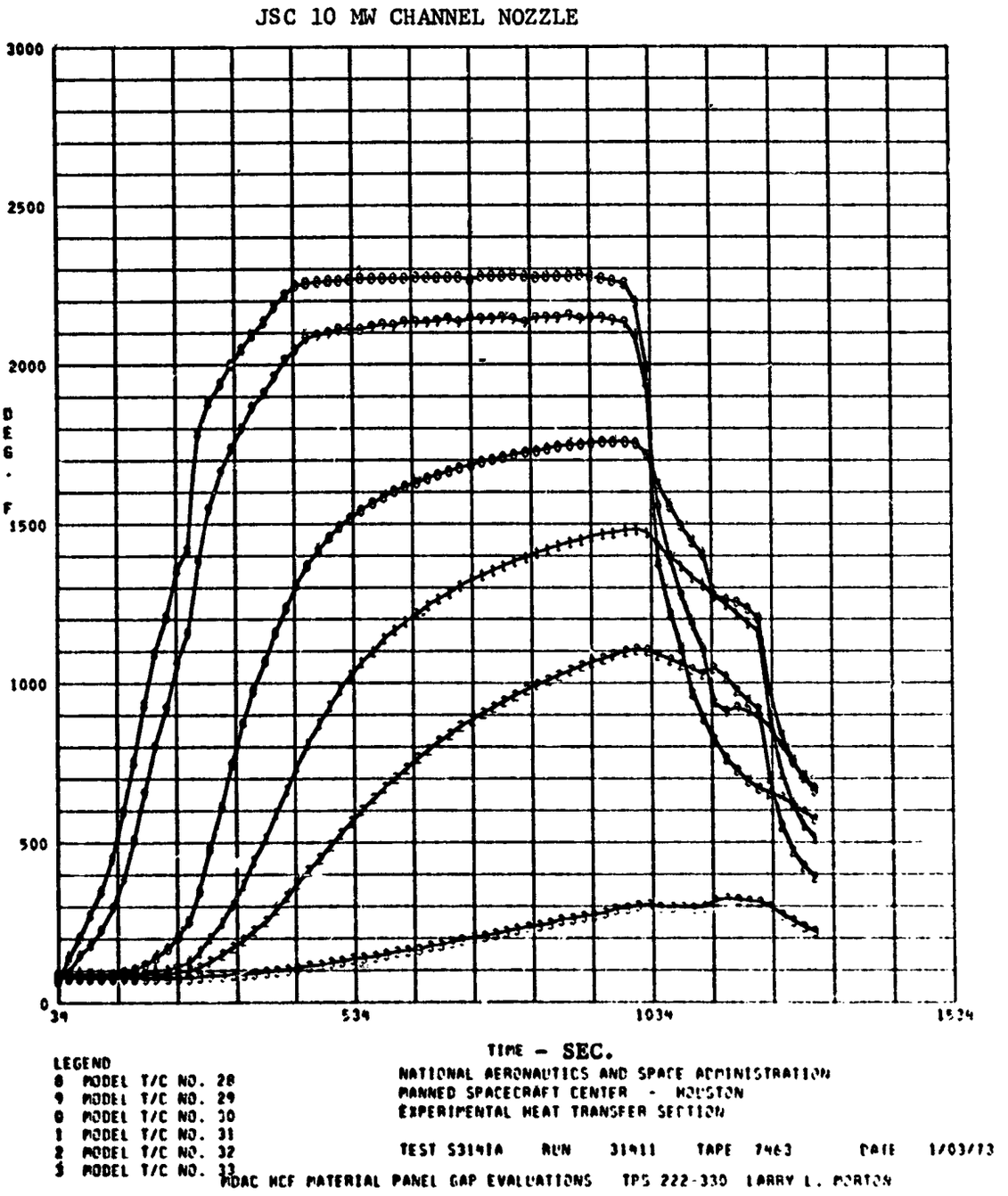


Figure 2.4-81

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH INCLINED JOINT, 0.15 INCH GAP

JSC 10 MW CHANNEL NOZZLE

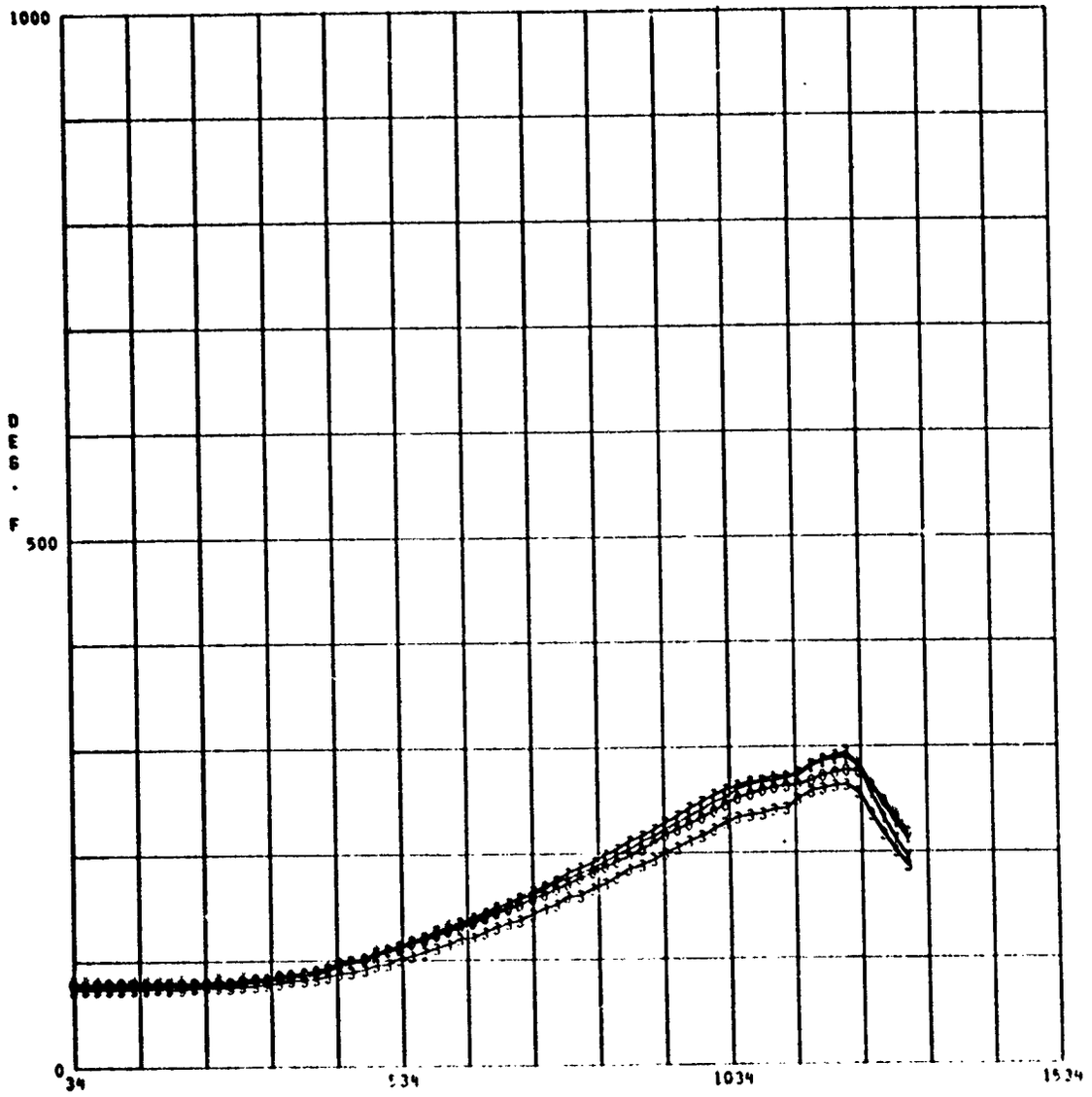


Figure 2.4-82

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE A 2.50 INCH INCLINED JOINT, 0.30 INCH GAP

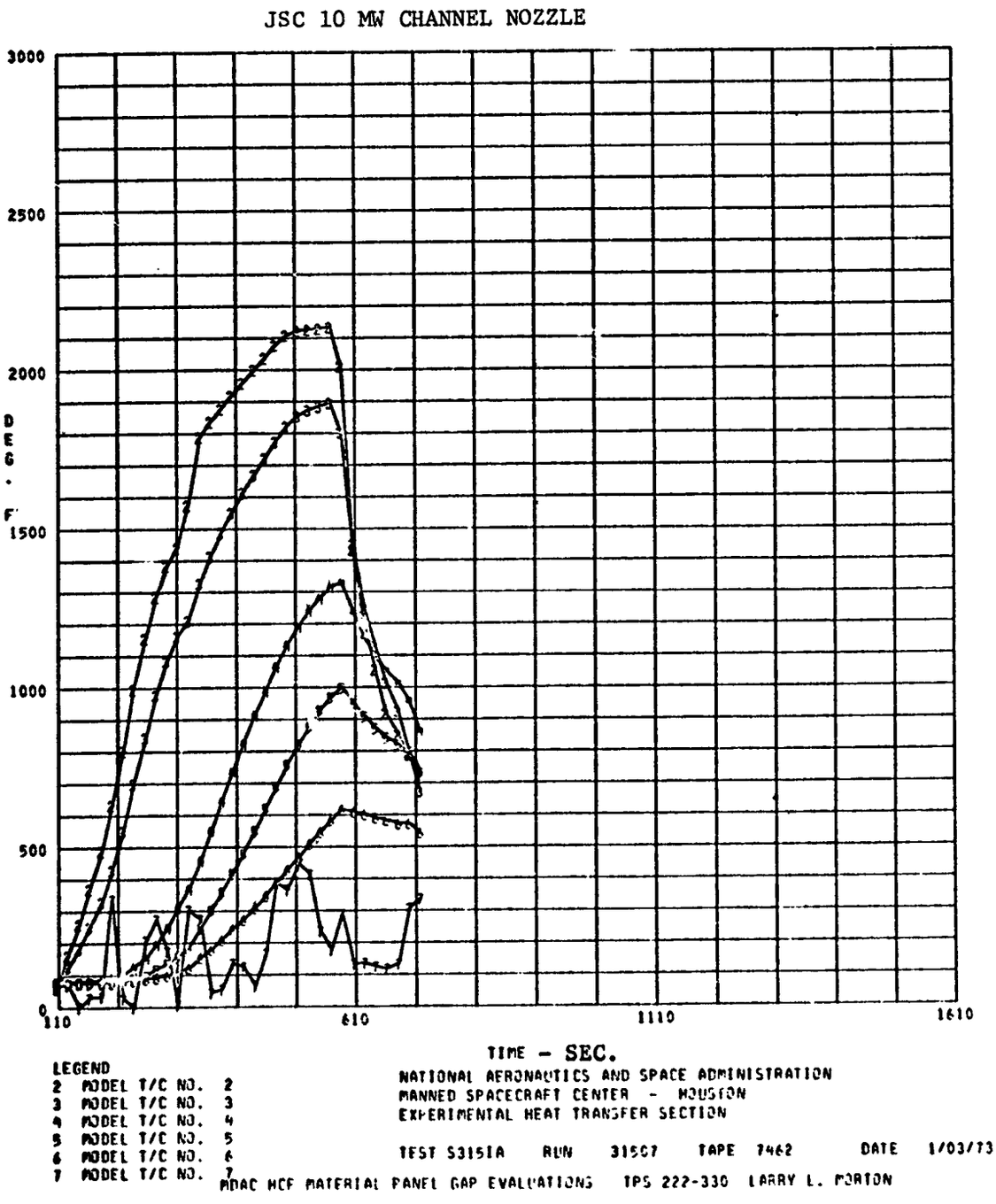


Figure 2.4-83

MEASURED TEMPERATURES THROUGH CENTER OF TILE A 2.50 INCH INCLINED JOINT, 0.30 INCH GAP

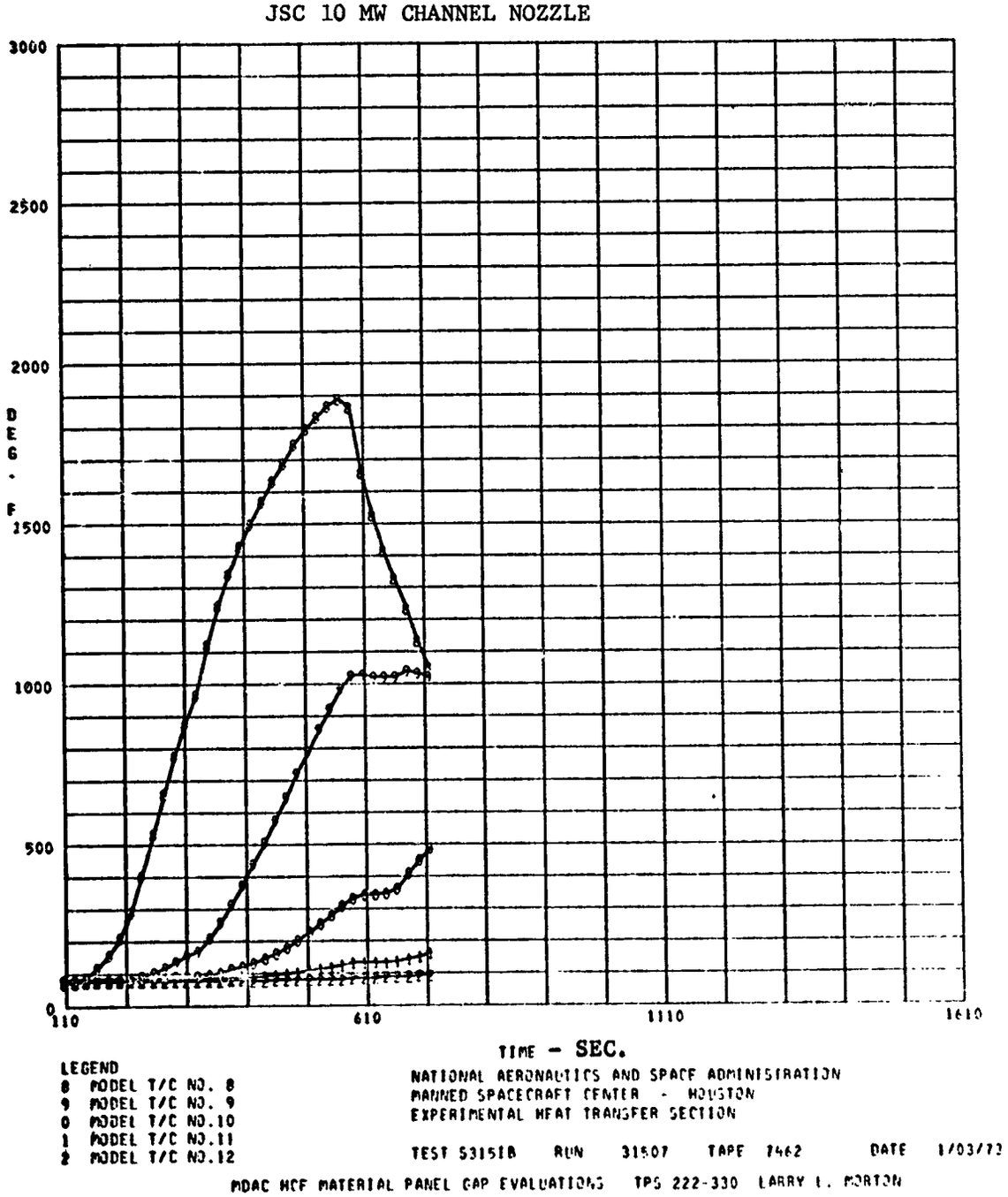


Figure 2.4-84

MEASURED TEMPERATURES IN IN-LINE GAP, TILE B 2.50 INCH INCLINED JOINT, 0.30 INCH GAP

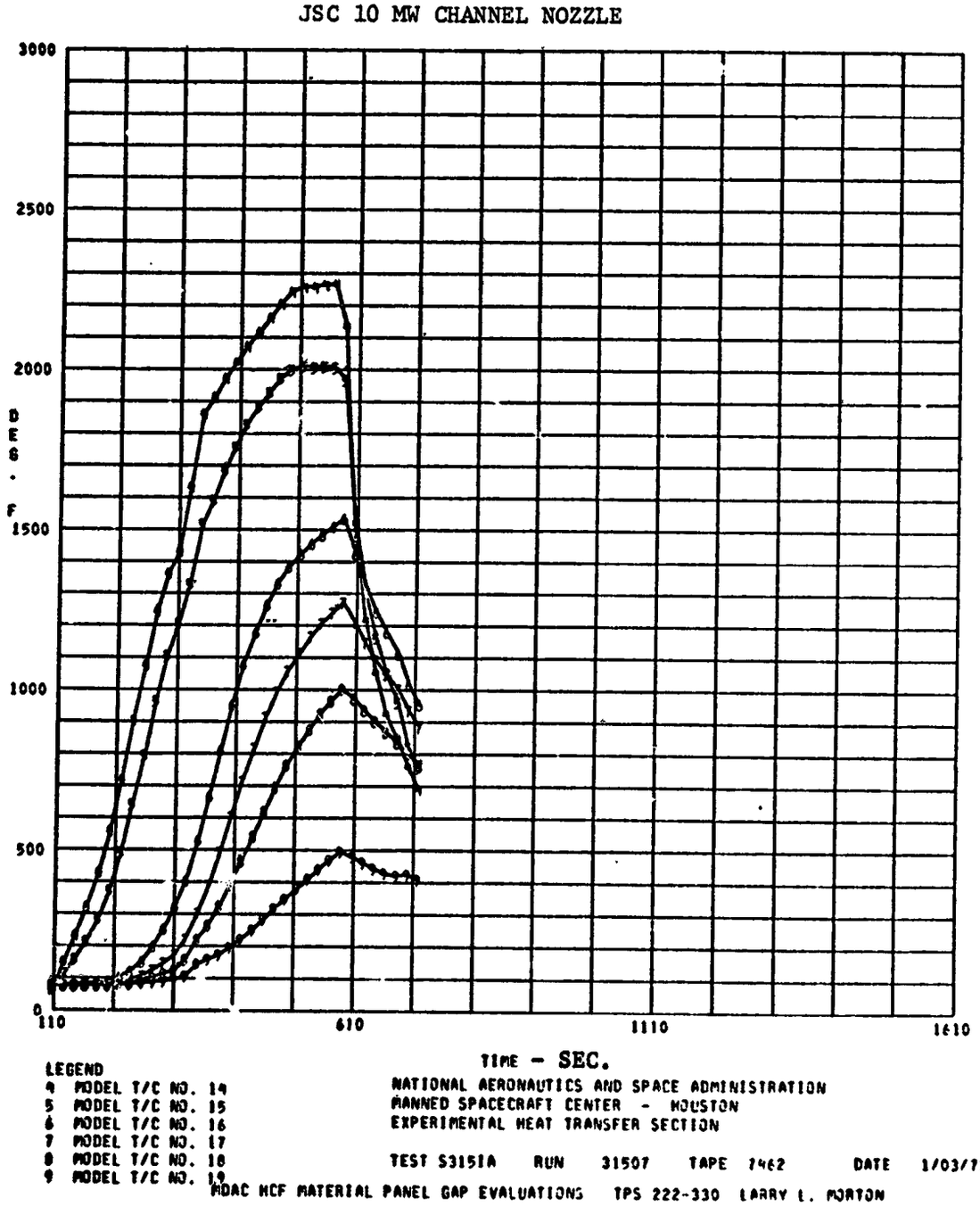


Figure 2.4-85

MEASURED TEMPERATURES IN IN-LINE GAP, TILE C 2.50 INCH INCLINED JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

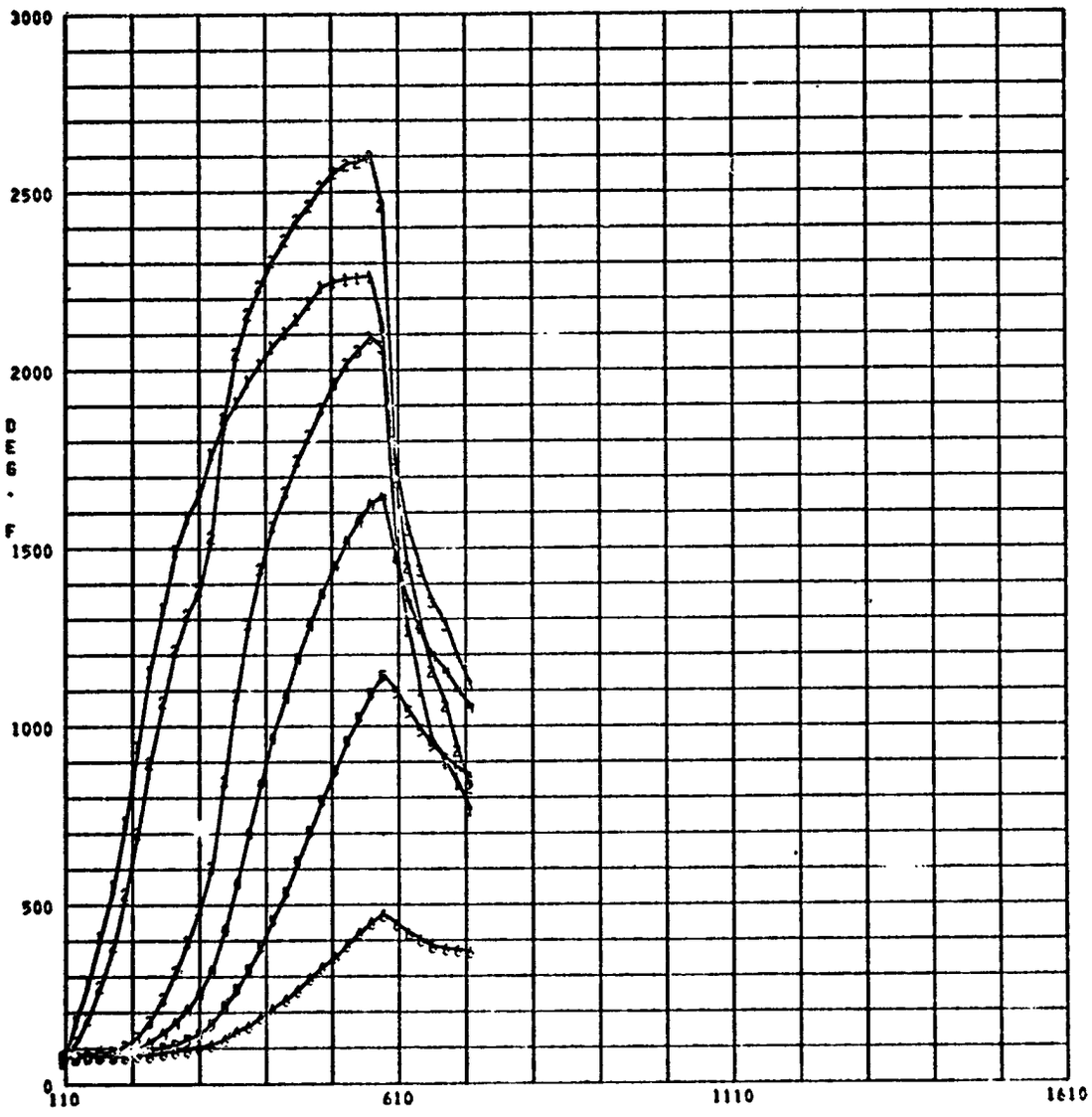


Figure 2.4-86

MEASURED TEMPERATURES IN TRANSVERSE GAP, TILE D 2.50 INCH INCLINED JOINT, 0.30 INCH GAP

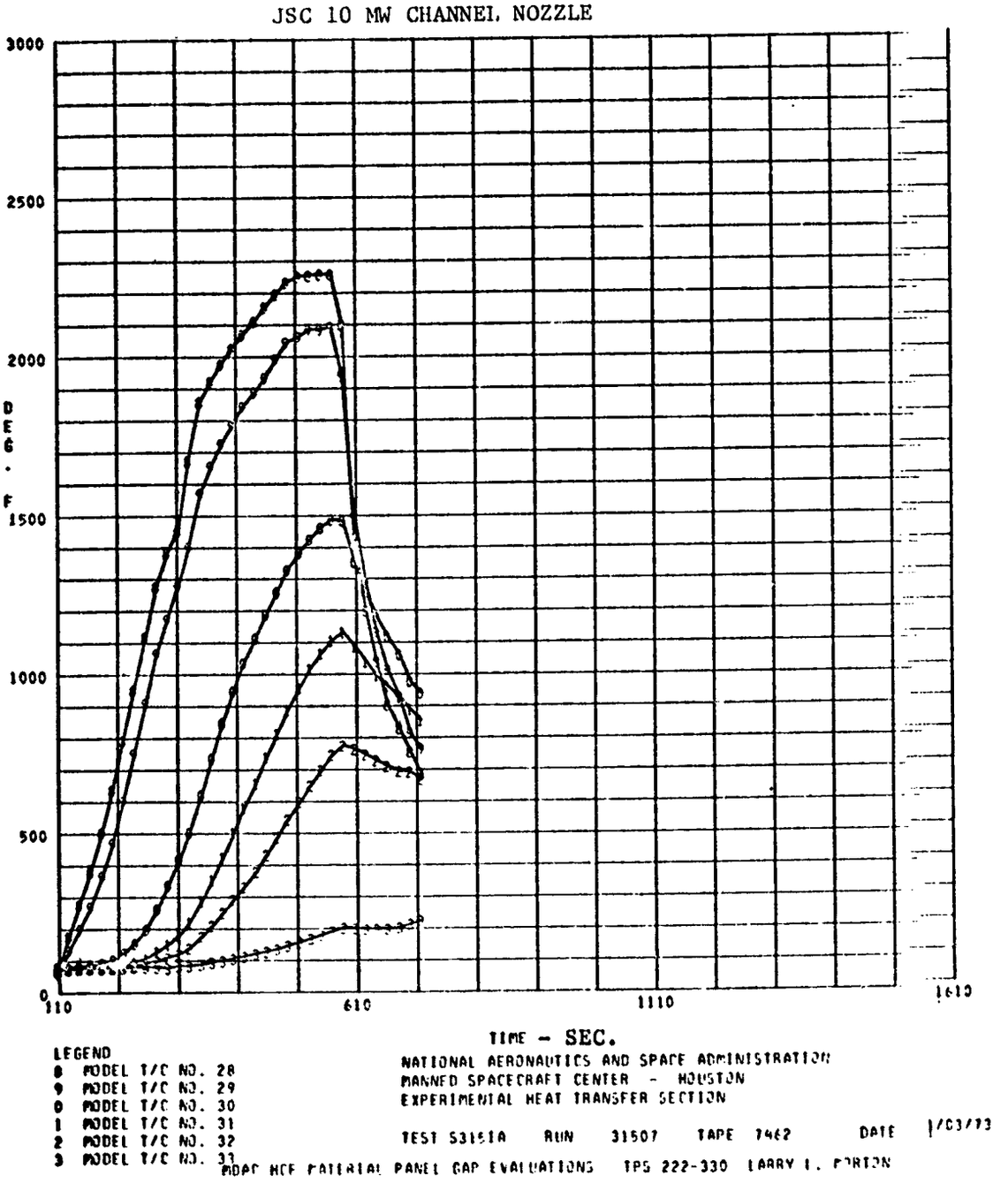


Figure 2.4-87

BONDLINE MEASURED TEMPERATURES AT INTERSECTION OF TILES (CENTER OF TEST PANEL) 2.50 INCH INCLINED JOINT, 0.30 INCH GAP

JSC 10 MW CHANNEL NOZZLE

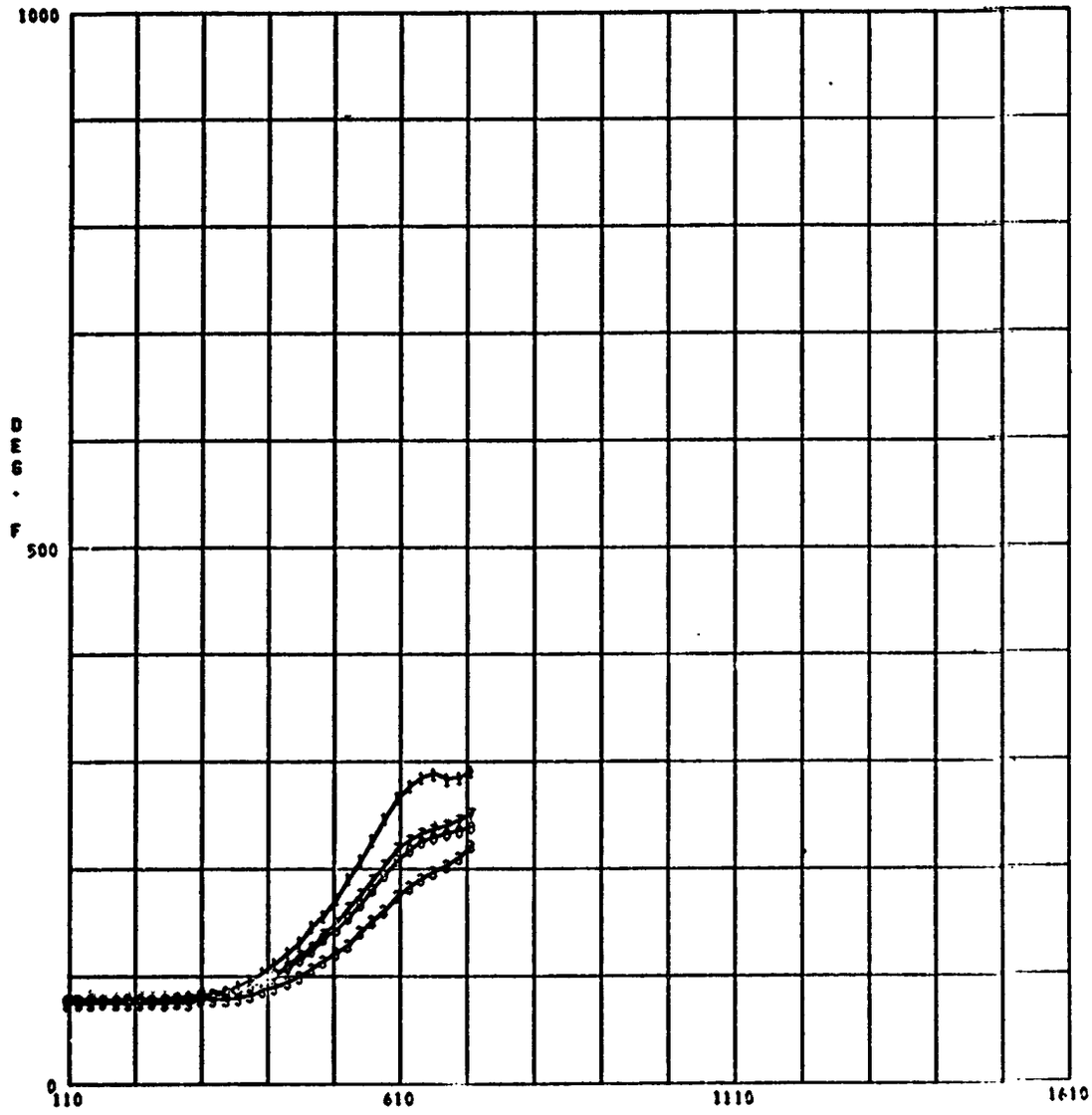


Figure 2.4-88

2.5 TERMINOLOGY
IN DATA LISTING

2.5 Explaination of Terminology Used in Data Listing - Gap heating rates computed for the Butt joint and Incline joint models tested in the NASA-JSC 10 MW channel nozzle are combined with node location and flow field parameters in Section 2.6.

Convective heating in the gaps between tiles was calculated by the inverse solution technique. A universal thermal model (Figure 2.5-1) was constructed to accurately describe heat transfer modes in the RSI tiles and in the gap. The temperatures measured by the thermocouples installed in the RSI tiles were used to specify boundary conditions for computing the convective heating. The convective heating in the gap between tiles was calculated using the MDC General Heat Transfer Computer Program. The measured temperatures recorded on magnetic tape during the test was input directly into the computer. Analyses of the heating data and parameters descriptive of the flow in the channel nozzle are contained in Volume I. Flow in the channel nozzle was in a chemically non-equilibrium state and basic flow parameters were supplied by NASA-JSC.

The coordinate system used for the JSC tests is described in Figure 2.5-2. The terminology used in the data listing is as follows:

IDENTIFICATION = X YYY.ZZ
- ZZ = Node number (See Figure 2.5-1)
- YYY = JSC run number
- X = Master test number, a #2 was assigned to the JSC channel nozzle tests

GAP CONF = Gap configuration, 1 = Butt, 4 = Inclined

INST LOC = Instrumentation location, 1 = upstream side of gap, 2 = downstream side of gap, 3 = in-line

X,Y,Z = Right hand coordinate system designating T/C location

$\bar{X}$ = Distance from leading edge of tile

γ = Flow orientation

W = Gap width

h = Step height

L = Flow length

t = Tile thickness

TILE PATT = 1 → in-line tiles

M_L = Mach number

Re/Meter = Unit Reynolds number

δ^* = Boundary layer displacement thickness, based on starred condition

q_{GAP}/q_{SUR} = Convective heating computed in the gap ratioed to that measured on the top of tile

B.L.State = 1,denotes a laminar boundary layer

TWO-DIMENSIONAL THERMAL MODEL OF RSI JOINT

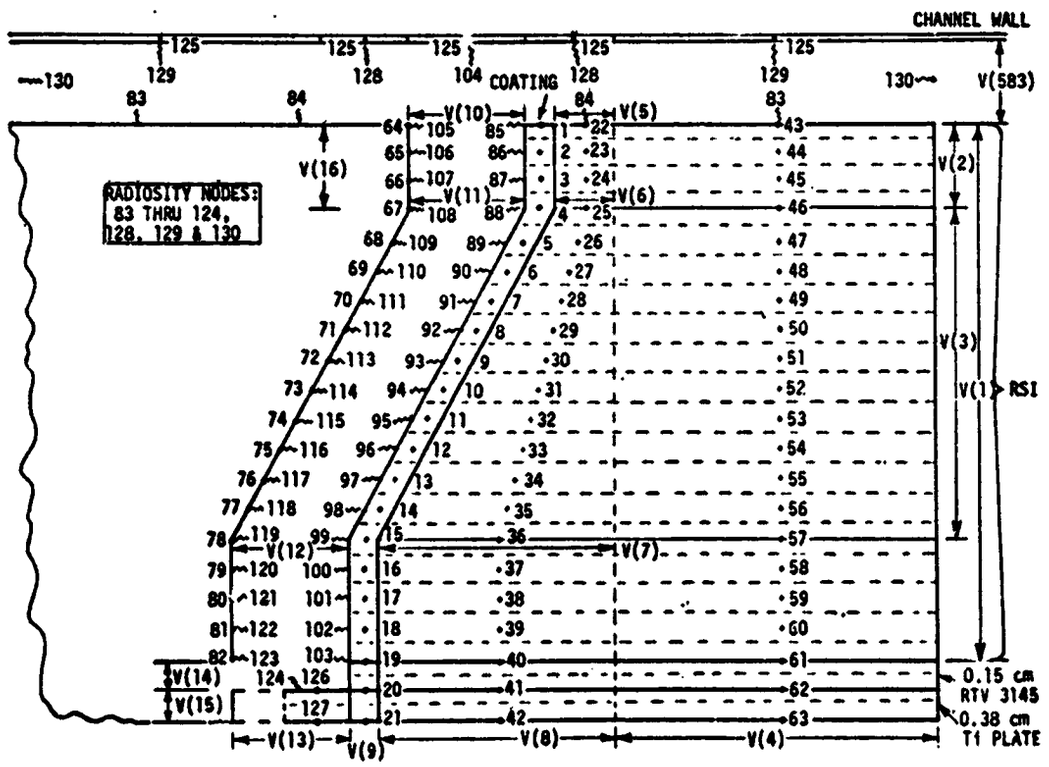


Figure 2.5-1

HCF GAP MODEL
COORDINATE SYSTEM

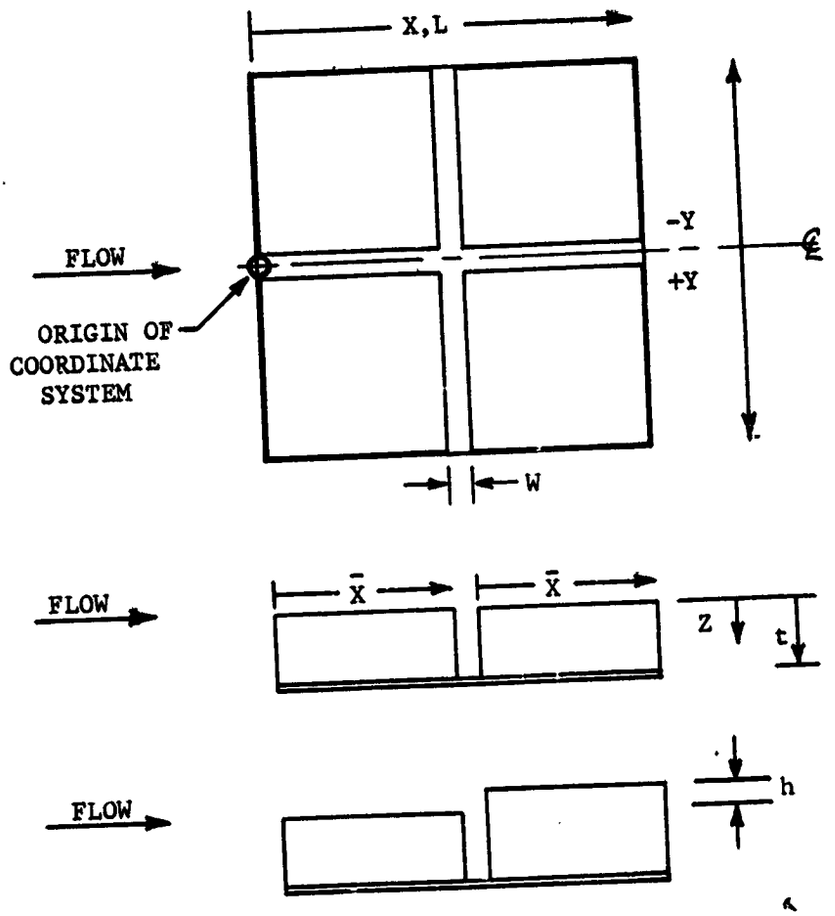


Figure 2.5-2

2.6 TABULATION OF HEATING DISTRIBUTIONS

2.6 Tabulation of Heating Distribution from Inverse Solutions (NASA JSC 10 MW TESTS)

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BUTT JOINT HEATING RATE DISTRIBUTION PARAMETERS
JSC 10 MW CHANNEL NOZZLE TEST
TRANSVERSE GAP

HEAT FLUX DISTRIBUTION (q_{GAP}/q_{SUR}) OBTAINED FROM INVERSE SOLUTION

IDENTIFICATION TEST	RUN	MODE	GAP	PASS LOC	X (cm)	Y (cm)	Z (cm)	$\bar{X}$ (cm)	Y (RAD)	W (cm)	h (cm)	L (cm)	ε (cm)	TILE PAST	H_L	Re/meter	δ* (cm)	q_{GAP}/q_{SUR}	s.i. PAST
20283.	22	1	1	2	15.37	7.62	.001	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	1.000	1
20283.	1	1	1	2	15.37	7.62	.053	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	.820	1
20283.	2	1	1	2	15.37	7.62	.211	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	.120	1
20283.	3	1	1	2	15.37	7.62	.424	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	.062	1
20283.	4	1	1	2	15.37	7.62	.635	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	.040	1
20283.	5	1	1	2	15.37	7.62	.948	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	.023	1
20283.	6	1	1	2	15.37	7.62	1.443	0.0	0.0	.074	0.0	15.37	3.18	1	4.24	5.72E+04	.4839	.010	1
20284.	22	1	1	2	15.49	7.62	.001	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	1.000	1
20284.	1	1	1	2	15.49	7.62	.053	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	1.010	1
20284.	2	1	1	2	15.49	7.62	.211	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	.240	1
20284.	3	1	1	2	15.49	7.62	.424	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	.080	1
20284.	4	1	1	2	15.49	7.62	.635	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	.050	1
20284.	5	1	1	2	15.49	7.62	.948	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	.030	1
20284.	6	1	1	2	15.49	7.62	1.443	0.0	0.0	.204	0.0	15.49	3.18	1	4.22	5.72E+04	.4800	.014	1
20285.	22	1	1	2	15.62	7.62	.001	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	1.000	1
20285.	1	1	1	2	15.62	7.62	.053	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	1.060	1
20285.	2	1	1	2	15.62	7.62	.211	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	.380	1
20285.	3	1	1	2	15.62	7.62	.424	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	.120	1
20285.	4	1	1	2	15.62	7.62	.635	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	.064	1
20285.	5	1	1	2	15.62	7.62	.948	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	.037	1
20285.	6	1	1	2	15.62	7.62	1.443	0.0	0.0	.333	0.0	15.62	3.18	1	4.23	5.72E+04	.4806	.018	1
20286.	22	1	1	2	16.00	7.62	.001	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	1.000	1
20286.	1	1	1	2	16.00	7.62	.053	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	1.100	1
20286.	2	1	1	2	16.00	7.62	.211	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	.520	1
20286.	3	1	1	2	16.00	7.62	.424	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	.200	1
20286.	4	1	1	2	16.00	7.62	.635	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	.084	1
20286.	5	1	1	2	16.00	7.62	.948	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	.052	1
20286.	6	1	1	2	16.00	7.62	1.443	0.0	0.0	.714	0.0	16.00	3.18	1	4.21	5.72E+04	.4748	.026	1
20279.	22	1	1	2	15.37	7.62	.001	0.0	0.0	.077	0.0	15.37	3.08	1	4.22	5.73E+04	.4787	1.000	1
20279.	1	1	1	2	15.37	7.62	.053	0.0	0.0	.077	0.0	15.37	3.08	1	4.22	5.73E+04	.4787	.470	1
20279.	2	1	1	2	15.37	7.62	.211	0.0	0.0	.077	0.0	15.37	3.08	1	4.22	5.73E+04	.4787	.080	1
20279.	3	1	1	2	15.37	7.62	.424	0.0	0.0	.077	0.0	15.37	3.08	1	4.22	5.73E+04	.4787	.043	1
20279.	4	1	1	2	15.37	7.62	.635	0.0	0.0	.077	0.0	15.37	3.08	1	4.22	5.73E+04	.4787	.030	1
20279.	5	1	1	2	15.37	7.62	.912	0.0	0.0	.077	0.0	15.37	3.08	1	4.22	5.73E+04	.4787	.020	1
20280.	22	1	1	2	15.49	7.62	.001	0.0	0.0	.203	0.0	15.49	3.08	1	4.19	5.73E+04	.4684	1.000	1
20280.	1	1	1	2	15.49	7.62	.053	0.0	0.0	.203	0.0	15.49	3.08	1	4.19	5.73E+04	.4684	.520	1
20280.	2	1	1	2	15.49	7.62	.211	0.0	0.0	.203	0.0	15.49	3.08	1	4.19	5.73E+04	.4684	.130	1
20280.	3	1	1	2	15.49	7.62	.424	0.0	0.0	.203	0.0	15.49	3.08	1	4.19	5.73E+04	.4684	.061	1
20280.	4	1	1	2	15.49	7.62	.635	0.0	0.0	.203	0.0	15.49	3.08	1	4.19	5.73E+04	.4684	.041	1
20280.	5	1	1	2	15.49	7.62	.912	0.0	0.0	.203	0.0	15.49	3.08	1	4.19	5.73E+04	.4684	.027	1

Figure 2.6-1

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BUTT JOINT HEATING RATE DISTRIBUTION PARAMETERS
JSC 10 MW CHANNEL NOZZLE TEST
TRANSVERSE GAP (CONTINUED)

IDENTIFICATION TEST	RUN	NODE	GAP CONF	INTER LOC	X (cm)	Y (cm)	Z (cm)	$\bar{X}$ (cm)	γ (RAD)	W (cm)	h (cm)	L (cm)	t (cm)	TILE PATT	H_L	Re/meter	δ^* (cm)	q_{GAP}/q_{SUR}	B.L. STATE
[illegible]		7	1	2	15.442	7.662	1.465	0.0	0.0	.303	0.0	15.644	5.08	1	4.419	5.73E+04	.4684	.017	1
[illegible]		22	1	2	15.442	7.662	.001	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	1.000	1
[illegible]		1	1	2	15.442	7.662	.053	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	1.000	1
[illegible]		2	1	2	15.442	7.662	.211	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	.356	1
[illegible]		3	1	2	15.442	7.662	.424	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	.115	1
[illegible]		4	1	2	15.442	7.662	.635	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	.065	1
[illegible]		5	1	2	15.442	7.662	.812	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	.039	1
[illegible]		7	1	2	15.442	7.662	1.465	0.0	0.0	.336	0.0	15.647	5.08	1	4.420	5.73E+04	.4710	.018	1
[illegible]		22	1	2	15.442	7.662	.001	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	1.000	1
[illegible]		4	1	2	15.442	7.662	.053	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	1.000	1
[illegible]		3	1	2	15.442	7.662	.211	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	.530	1
[illegible]		2	1	2	15.442	7.662	.424	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	.270	1
[illegible]		1	1	2	15.442	7.662	.635	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	.120	1
[illegible]		5	1	2	15.442	7.662	.812	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	.060	1
[illegible]		7	1	2	15.442	7.662	1.465	0.0	0.0	.714	0.0	16.00	5.08	1	4.421	5.73E+04	.4748	.024	1
[illegible]		22	1	2	15.442	7.662	.001	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	1.000	1
[illegible]		4	1	2	15.442	7.662	.053	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	.800	1
[illegible]		3	1	2	15.442	7.662	.211	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	.120	1
[illegible]		2	1	2	15.442	7.662	.424	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	.050	1
[illegible]		1	1	2	15.442	7.662	.635	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	.025	1
[illegible]		5	1	2	15.442	7.662	.812	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	.011	1
[illegible]		7	1	2	15.442	7.662	1.465	0.0	0.0	.074	0.0	15.337	4.35	1	4.420	5.73E+04	.4710	.005	1
[illegible]		22	1	2	15.442	7.662	.001	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	1.000	1
[illegible]		4	1	2	15.442	7.662	.053	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	.060	1
[illegible]		3	1	2	15.442	7.662	.211	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	.190	1
[illegible]		2	1	2	15.442	7.662	.424	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	.070	1
[illegible]		1	1	2	15.442	7.662	.635	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	.032	1
[illegible]		5	1	2	15.442	7.662	.812	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	.011	1
[illegible]		7	1	2	15.442	7.662	1.465	0.0	0.0	.109	0.0	15.440	4.35	1	4.434	5.92E+04	.5064	.005	1
[illegible]		22	1	2	15.442	7.662	.001	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	1.000	1
[illegible]		4	1	2	15.442	7.662	.053	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	.060	1
[illegible]		3	1	2	15.442	7.662	.211	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	.250	1
[illegible]		2	1	2	15.442	7.662	.424	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	.090	1
[illegible]		1	1	2	15.442	7.662	.635	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	.040	1
[illegible]		5	1	2	15.442	7.662	.812	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	.015	1
[illegible]		7	1	2	15.442	7.662	1.465	0.0	0.0	.329	0.0	15.652	4.35	1	4.434	5.98E+04	.5032	.005	1
[illegible]		22	1	2	15.442	7.662	.001	0.0	0.0	.718	0.0	16.00	4.35	1	4.420	5.73E+04	.4710	1.000	1
[illegible]		4	1	2	15.442	7.662	.053	0.0	0.0	.718	0.0	16.00	4.35	1	4.420	5.73E+04	.4710	.430	1
[illegible]		3	1	2	15.442	7.662	.211	0.0	0.0	.718	0.0	16.00	4.35	1	4.420	5.73E+04	.4710	.190	1
[illegible]		2	1	2	15.442	7.662	.424	0.0	0.0	.718	0.0	16.00	4.35	1	4.420	5.73E+04	.4710	.065	1
[illegible]		1	1	2	15.442	7.662	.635	0.0	0.0	.718	0.0	16.00	4.35	1	4.420	5.73E+04	.4710	.029	1

HEAT FLUX DISTRIBUTION (q_{GAP}/q_{SUR}) OBTAINED FROM INVERSE SOLUTION

Figure 2.6-2

BUTT JOINT HEATING RATE DISTRIBUTION PARAMETERS
JSC 10 MW CHANNEL NOZZLE TEST
IN-LINE GAP

IDENTIFICATION TEST	RUN	NODE	GAP COMP	INST LOC	X (cm)	Y (cm)	Z (cm)	$\bar{X}$ (cm)	Y (RAD)	W (cm)	h (cm)	L (cm)	t (cm)	TILE PATT	M_L	Re/meter	δ^* (cm)	q_{GAP}/q_{SUR}	B.L. STATE
20283.	22	1	3	22.99	-0.0	.001	7.62		0.0	.072	0.0	22.94	3.18	1	4.29	5.57E+04	.5219	1.000	1
20283.	1	1	3	22.99	-0.0	.053	7.62		0.0	.072	0.0	22.94	3.18	1	4.29	5.57E+04	.5219	.750	1
20283.	2	1	3	22.99	-0.0	.211	7.62		0.0	.072	0.0	22.94	3.18	1	4.29	5.57E+04	.5219	.130	1
20283.	3	1	3	22.99	-0.0	.424	7.62		0.0	.072	0.0	22.94	3.18	1	4.29	5.57E+04	.5219	.020	1
20283.	4	1	3	22.99	-0.0	.635	7.62		0.0	.072	0.0	22.94	3.18	1	4.29	5.57E+04	.5219	.010	1
20284.	22	1	3	23.11	-0.0	.001	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	1.000	1
20284.	1	1	3	23.11	-0.0	.053	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.950	1
20284.	2	1	3	23.11	-0.0	.211	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.300	1
20284.	3	1	3	23.11	-0.0	.424	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.070	1
20284.	4	1	3	23.11	-0.0	.635	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.040	1
20284.	6	1	3	23.11	-0.0	.958	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.027	1
20284.	9	1	3	23.11	-0.0	1.443	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.018	1
20284.	13	1	3	23.11	-0.0	2.090	7.62		0.0	.205	0.0	23.11	3.18	1	4.27	5.57E+04	.5161	.011	1
20285.	22	1	3	23.24	-0.0	.001	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	1.000	1
20285.	1	1	3	23.24	-0.0	.053	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	1.010	1
20285.	2	1	3	23.24	-0.0	.211	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	.450	1
20285.	3	1	3	23.24	-0.0	.424	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	.180	1
20285.	4	1	3	23.24	-0.0	.635	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	.080	1
20285.	6	1	3	23.24	-0.0	.958	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	.045	1
20285.	9	1	3	23.24	-0.0	1.443	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	.027	1
20285.	13	1	3	23.24	-0.0	2.090	7.62		0.0	.335	0.0	23.24	3.18	1	4.28	5.57E+04	.5168	.016	1
20286.	22	1	3	23.42	-0.0	.001	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	1.000	1
20286.	1	1	3	23.42	-0.0	.053	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	1.070	1
20286.	2	1	3	23.42	-0.0	.211	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	.580	1
20286.	3	1	3	23.42	-0.0	.424	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	.310	1
20286.	4	1	3	23.42	-0.0	.635	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	.150	1
20286.	6	1	3	23.42	-0.0	.958	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	.065	1
20286.	9	1	3	23.42	-0.0	1.443	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	.032	1
20286.	13	1	3	23.42	-0.0	2.090	7.62		0.0	.715	0.0	23.69	3.18	1	4.26	5.57E+04	.5116	.020	1
20279.	22	1	3	7.42	0.0	.001	7.62		0.0	.077	0.0	7.69	5.08	1	4.27	5.58E+04	.5155	1.000	1
20279.	1	1	3	7.62	0.0	.053	7.62		0.0	.077	0.0	7.69	5.08	1	4.27	5.58E+04	.5155	.650	1
20279.	2	1	3	7.62	0.0	.211	7.62		0.0	.077	0.0	7.69	5.08	1	4.27	5.58E+04	.5155	.100	1
20279.	3	1	3	7.62	0.0	.424	7.62		0.0	.077	0.0	7.69	5.08	1	4.27	5.58E+04	.5155	.025	1
20279.	4	1	3	7.62	0.0	.635	7.62		0.0	.077	0.0	7.69	5.08	1	4.27	5.58E+04	.5155	.015	1
20279.	5	1	3	7.62	0.0	.912	7.62		0.0	.077	0.0	7.69	5.08	1	4.27	5.58E+04	.5155	.010	1
20280.	22	1	3	7.62	0.0	.001	7.62		0.0	.207	0.0	7.69	5.08	1	4.24	5.58E+04	.5032	1.000	1
20280.	1	1	3	7.62	0.0	.053	7.62		0.0	.207	0.0	7.69	5.08	1	4.24	5.58E+04	.5032	.920	1
20280.	2	1	3	7.62	0.0	.211	7.62		0.0	.207	0.0	7.69	5.08	1	4.24	5.58E+04	.5032	.240	1
20280.	3	1	3	7.62	0.0	.424	7.62		0.0	.207	0.0	7.69	5.08	1	4.24	5.58E+04	.5032	.060	1
20280.	4	1	3	7.62	0.0	.635	7.62		0.0	.207	0.0	7.69	5.08	1	4.24	5.58E+04	.5032	.021	1
20280.	5	1	3	7.62	0.0	.912	7.62		0.0	.207	0.0	7.69	5.08	1	4.24	5.58E+04	.5032	.014	1
20281.	22	1	3	7.62	0.0	.001	7.62		0.0	.340	0.0	7.62	5.08	1	4.25	5.58E+04	.5058	1.000	1

HEAT FLUX DISTRIBUTION (q_{GAP}/q_{SUR}) OBTAINED FROM INVERSE SOLUTION

Figure 2.6-3

REPRODUCIBILITY OF THE ORIGINAL PAGE

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

BUTT JOINT HEATING RATE DISTRIBUTION PARAMETERS
JSC IO MW CHANNEL NOZZLE TEST
IN-LINE GAP (CONTINUED)

HEAT FLUX DISTRIBUTION (q_{GAP}/q_{SUR}) OBTAINED FROM INVERSE SOLUTION

IDENTIFICATION TEST	RUN	NODE	GAP CONT	INST LOC	X (cm)	Y (cm)	Z (cm)	$\bar{X}$ (cm)	γ (RAD)	W (cm)	h (cm)	L_1 (cm)	ε (cm)	TILE PATT	R_L	Re/meter		δ^* (cm)	q_{GAP}/q_{SUR}	B.L. STATE
20281.	1	1	1	3	7.62	0.0	.053	7.62	0.0	.340	0.0	7.62	5.08	1	4.25	5.58E+04		.5058	.930	1
20281.	2	2	1	3	7.62	0.0	.211	7.62	0.0	.340	0.0	7.62	5.08	1	4.25	5.58E+04		.5058	.370	1
20281.	3	3	1	3	7.62	0.0	.424	7.62	0.0	.340	0.0	7.62	5.08	1	4.25	5.58E+04		.5058	.145	1
20281.	4	4	1	3	7.62	0.0	.635	7.62	0.0	.340	0.0	7.62	5.08	1	4.25	5.58E+04		.5058	.064	1
20281.	5	5	1	3	7.62	0.0	.912	7.62	0.0	.340	0.0	7.62	5.08	1	4.25	5.58E+04		.5058	.020	1
20282.	22	22	1	3	7.62	0.0	.001	7.62	0.0	.718	0.0	7.62	5.08	1	4.26	5.58E+04		.5116	1.000	1
20282.	1	1	1	3	7.62	0.0	.053	7.62	0.0	.718	0.0	7.62	5.08	1	4.26	5.58E+04		.5116	1.050	1
20282.	2	2	1	3	7.62	0.0	.211	7.62	0.0	.718	0.0	7.62	5.08	1	4.26	5.58E+04		.5116	.620	1
20282.	3	3	1	3	7.62	0.0	.424	7.62	0.0	.718	0.0	7.62	5.08	1	4.26	5.58E+04		.5116	.290	1
20282.	4	4	1	3	7.62	0.0	.635	7.62	0.0	.718	0.0	7.62	5.08	1	4.26	5.58E+04		.5116	.130	1
20282.	5	5	1	3	7.62	0.0	.912	7.62	0.0	.718	0.0	7.62	5.08	1	4.26	5.58E+04		.5116	.024	1
20275.	22	22	1	3	7.62	0.0	.001	7.62	0.0	.074	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	1.000	1
20275.	1	1	1	3	7.62	0.0	.053	7.62	0.0	.074	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.750	1
20275.	2	2	1	3	7.62	0.0	.211	7.62	0.0	.074	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.180	1
20275.	3	3	1	3	7.62	0.0	.424	7.62	0.0	.074	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.040	1
20275.	4	4	1	3	7.62	0.0	.635	7.62	0.0	.074	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.010	1
20275.	5	5	1	3	7.62	0.0	.912	7.62	0.0	.074	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.004	1
20276.	22	22	1	3	7.62	0.0	.001	7.62	0.0	.198	0.0	7.62	6.35	1	4.41	5.20E+04		.5445	1.000	1
20276.	1	1	1	3	7.62	0.0	.053	7.62	0.0	.198	0.0	7.62	6.35	1	4.41	5.20E+04		.5445	.870	1
20276.	2	2	1	3	7.62	0.0	.211	7.62	0.0	.198	0.0	7.62	6.35	1	4.41	5.20E+04		.5445	.280	1
20276.	3	3	1	3	7.62	0.0	.424	7.62	0.0	.198	0.0	7.62	6.35	1	4.41	5.20E+04		.5445	.085	1
20276.	4	4	1	3	7.62	0.0	.635	7.62	0.0	.198	0.0	7.62	6.35	1	4.41	5.20E+04		.5445	.037	1
20276.	5	5	1	3	7.62	0.0	.980	7.62	0.0	.198	0.0	7.62	6.35	1	4.41	5.20E+04		.5445	.017	1
20277.	22	22	1	3	7.62	0.0	.001	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	1.000	1
20277.	1	1	1	3	7.62	0.0	.053	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.880	1
20277.	2	2	1	3	7.62	0.0	.211	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.410	1
20277.	3	3	1	3	7.62	0.0	.424	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.160	1
20277.	4	4	1	3	7.62	0.0	.635	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.090	1
20277.	5	5	1	3	7.62	0.0	.980	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.050	1
20277.	7	7	1	3	7.62	0.0	1.674	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.020	1
20277.	8	8	1	3	7.62	0.0	2.019	7.62	0.0	.329	0.0	7.62	6.35	1	4.39	5.26E+04		.5419	.016	1
20278.	22	22	1	3	7.62	0.0	.001	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	1.000	1
20278.	1	1	1	3	7.62	0.0	.053	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.910	1
20278.	2	2	1	3	7.62	0.0	.211	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.660	1
20278.	3	3	1	3	7.62	0.0	.424	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.450	1
20278.	4	4	1	3	7.62	0.0	.635	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.310	1
20278.	5	5	1	3	7.62	0.0	.980	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.190	1
20278.	7	7	1	3	7.62	0.0	1.674	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.110	1
20278.	8	8	1	3	7.62	0.0	2.019	7.62	0.0	.713	0.0	7.62	6.35	1	4.25	5.58E+04		.5065	.090	1

Figure 2.6-4

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

INCLINED JOINT HEATING RATE DISTRIBUTION PARAMETERS
JSC 10 MW CHANNEL NOZZLE TEST
TRANSVERSE GAP

IDENTIFICATION TEST	RUN	NODE	GAP CONT	GAP LOC	X (cm)	Y (cm)	Z (cm)	$\bar{X}$ (cm)		γ (RAD)	w (cm)	h (cm)	L (cm)	t (cm)	TILE PATT	H_L	Re/meter		δ^* (cm)	q_{GAP}/q_{SUR}	B.L. STATE
20312.	22	4	2	2	15.37	7.62	.001	0.0		0.0	.073	0.0	15.37	4.35	1	4.19	5.73E+04		.4659	1.000	1
20312.	1	4	2	2	15.37	7.62	.046	0.0		0.0	.073	0.0	15.37	4.35	1	4.19	5.73E+04		.4656	.786	1
20312.	2	4	2	2	15.37	7.62	.229	0.0		0.0	.073	0.0	15.37	4.35	1	4.19	5.73E+04		.4654	.104	1
20312.	3	4	2	2	15.37	7.62	.457	0.0		0.0	.073	0.0	15.37	4.35	1	4.19	5.73E+04		.4656	.030	1
20312.	4	4	2	2	15.37	7.62	.686	0.0		0.0	.073	0.0	15.37	4.35	1	4.19	5.73E+04		.4659	.010	1
20313.	44	4	2	2	15.49	7.62	.001	0.0		0.0	.203	0.0	15.44	4.35	1	4.19	5.73E+04		.4690	1.000	1
20313.	1	4	2	2	15.49	7.62	.046	0.0		0.0	.203	0.0	15.44	4.35	1	4.19	5.73E+04		.4690	.960	1
20313.	2	4	2	2	15.49	7.62	.229	0.0		0.0	.203	0.0	15.44	4.35	1	4.19	5.73E+04		.4690	.310	1
20313.	3	4	2	2	15.49	7.62	.457	0.0		0.0	.203	0.0	15.44	4.35	1	4.19	5.73E+04		.4690	.070	1
20313.	4	4	2	2	15.49	7.62	.686	0.0		0.0	.203	0.0	15.44	4.35	1	4.19	5.73E+04		.4699	.020	1
20314.	22	4	2	2	15.62	7.62	.001	0.0		0.0	.327	0.0	15.62	4.35	1	4.19	5.73E+04		.4684	1.000	1
20314.	1	4	2	2	15.62	7.62	.046	0.0		0.0	.327	0.0	15.62	4.35	1	4.19	5.73E+04		.4684	.970	1
20314.	2	4	2	2	15.62	7.62	.229	0.0		0.0	.327	0.0	15.62	4.35	1	4.19	5.73E+04		.4684	.410	1
20314.	3	4	2	2	15.62	7.62	.457	0.0		0.0	.327	0.0	15.62	4.35	1	4.19	5.73E+04		.4684	.130	1
20314.	4	4	2	2	15.62	7.62	.686	0.0		0.0	.327	0.0	15.62	4.35	1	4.19	5.73E+04		.4684	.035	1
20315.	22	4	2	2	15.80	7.62	.001	0.0		0.0	.706	0.0	16.00	4.35	1	4.19	5.73E+04		.4684	1.000	1
20315.	1	4	2	2	15.80	7.62	.046	0.0		0.0	.706	0.0	16.00	4.35	1	4.19	5.73E+04		.4677	1.020	1
20315.	2	4	2	2	15.80	7.62	.229	0.0		0.0	.706	0.0	16.00	4.35	1	4.19	5.73E+04		.4677	.600	1
20315.	3	4	2	2	15.80	7.62	.457	0.0		0.0	.706	0.0	16.00	4.35	1	4.19	5.73E+04		.4677	.310	1
20315.	4	4	2	2	15.80	7.62	.686	0.0		0.0	.706	0.0	16.00	4.35	1	4.19	5.73E+04		.4677	.130	1
20315.	5	4	2	2	15.80	7.62	1.059	0.0		0.0	.706	0.0	16.00	4.35	1	4.19	5.73E+04		.4677	.013	1

HEAT FLUX DISTRIBUTION (q_{GAP}/q_{SUR}) OBTAINED FROM INVERSE SOLUTION

Figure 2.6-5

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

INCLINED JOINT HEATING RATE DISTRIBUTION PARAMETERS
JSC 10 MW CHANNEL NOZZLE TEST
IN-LINE GAP

IDENTIFICATION TEST	RUN	NODE	GAP CONF	INST LOC	X (cm)	Y (cm)	Z (cm)	$\bar{X}$ (cm)	Y (RAD)	W (cm)	h (cm)	L (cm)	t (cm)	TILE PATT	M_L	Re/meter	δ^* (cm)	q_{GAP}/q_{SUR}	B.L. STATE
20312.	22	4	3	7.62	0.0	.001	7.62		0.0	.099	0.0	7.62	6.35	1	4.14	5.89E+04	.4303	1.000	1
20312.	1	4	3	7.62	0.0	.056	7.62		0.0	.099	0.0	7.62	6.35	1	4.14	5.89E+04	.4303	.810	1
20312.	2	4	3	7.62	0.0	.229	7.62		0.0	.099	0.0	7.62	6.35	1	4.14	5.89E+04	.4303	.320	1
20312.	3	4	3	7.62	0.0	.457	7.62		0.0	.099	0.0	7.62	6.35	1	4.14	5.89E+04	.4303	.130	1
20312.	4	4	3	7.62	0.0	.686	7.62		0.0	.099	0.0	7.62	6.35	1	4.14	5.89E+04	.4303	.040	1
20312.	5	4	3	7.62	0.0	1.059	7.62		0.0	.099	0.0	7.62	6.35	1	4.14	5.89E+04	.4303	.010	1
20313.	22	4	3	7.62	0.0	.001	7.62		0.0	.225	0.0	7.62	6.35	1	4.14	5.89E+04	.4335	1.000	1
20313.	1	4	3	7.62	0.0	.056	7.62		0.0	.225	0.0	7.62	6.35	1	4.14	5.89E+04	.4335	.830	1
20313.	2	4	3	7.62	0.0	.229	7.62		0.0	.225	0.0	7.62	6.35	1	4.14	5.89E+04	.4335	.460	1
20313.	3	4	3	7.62	0.0	.457	7.62		0.0	.225	0.0	7.62	6.35	1	4.14	5.89E+04	.4335	.200	1
20313.	4	4	3	7.62	0.0	.686	7.62		0.0	.225	0.0	7.62	6.35	1	4.14	5.89E+04	.4335	.090	1
20313.	5	4	3	7.62	0.0	1.059	7.62		0.0	.225	0.0	7.62	6.35	1	4.14	5.89E+04	.4335	.015	1
20314.	22	4	3	7.62	0.0	.001	7.62		0.0	.352	0.0	7.62	6.35	1	4.14	5.89E+04	.4329	1.000	1
20314.	1	4	3	7.62	0.0	.056	7.62		0.0	.352	0.0	7.62	6.35	1	4.14	5.89E+04	.4329	.850	1
20314.	2	4	3	7.62	0.0	.229	7.62		0.0	.352	0.0	7.62	6.35	1	4.14	5.89E+04	.4329	.580	1
20314.	3	4	3	7.62	0.0	.457	7.62		0.0	.352	0.0	7.62	6.35	1	4.14	5.89E+04	.4329	.330	1
20314.	4	4	3	7.62	0.0	.686	7.62		0.0	.352	0.0	7.62	6.35	1	4.14	5.89E+04	.4329	.140	1
20314.	5	4	3	7.62	0.0	1.059	7.62		0.0	.352	0.0	7.62	6.35	1	4.14	5.89E+04	.4329	.030	1
20315.	22	4	3	7.62	0.0	.001	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	1.000	1
20315.	1	4	3	7.62	0.0	.056	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.890	1
20315.	2	4	3	7.62	0.0	.229	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.640	1
20315.	3	4	3	7.62	0.0	.457	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.430	1
20315.	4	4	3	7.62	0.0	.686	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.290	1
20315.	5	4	3	7.62	0.0	1.059	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.160	1
20315.	6	4	3	7.62	0.0	1.433	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.070	1
20315.	8	4	3	7.62	0.0	2.179	7.62		0.0	.732	0.0	7.62	6.35	1	4.14	5.89E+04	.4323	.030	1

HEAT FLUX DISTRIBUTION (q_{GAP}/q_{SUR}) OBTAINED FROM INVERSE SOLUTION

Figure 2.6-6

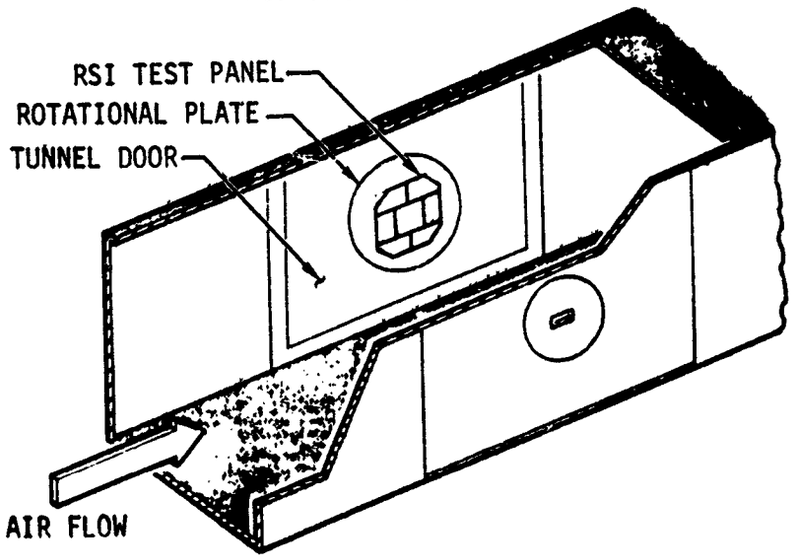
3.0 NASA/LARC CFHT TESTS

3.0 NASA-LaRC CFHT TESTS OF AN HCF TILE ARRAY

An HCF tile array was tested in Langley's Continuous Flow Hypersonic Tunnel (CFHT) at a freestream Mach number of 10.3 and a freestream unit Reynolds number of 3.28×10^6/meter. The purpose of the test program was to study the heating on the face of a tile submerged in a thick turbulent boundary layer as a function of gap width, tile mismatch and flow orientation. These tests were performed on the side wall of the tunnel (Figure 3.0-1) which has a boundary layer thickness of 5.08 to 10.16 centimeters. The tile array was rotated through $\pm 45°$ to study the flow orientation effect on gap heating. Figure 3.0-2 is a view of the CFHT. Heating measurements were made by inserting the panel into the test position and recording thermocouple responses.

A MDC engineer supervised the tests on site at LaRC. Mr. D. A. Throckmorton was the NASA engineer responsible for conducting the tests. Mr. D. A. Throckmorton and his staff were very cooperative which is very much appreciated. Test description and graphical presentation of the test data as prepared by LaRC is contained in Reference 1.

RSI-TPS WIND TUNNEL CONFIGURATION (CFHT AT LaRC)



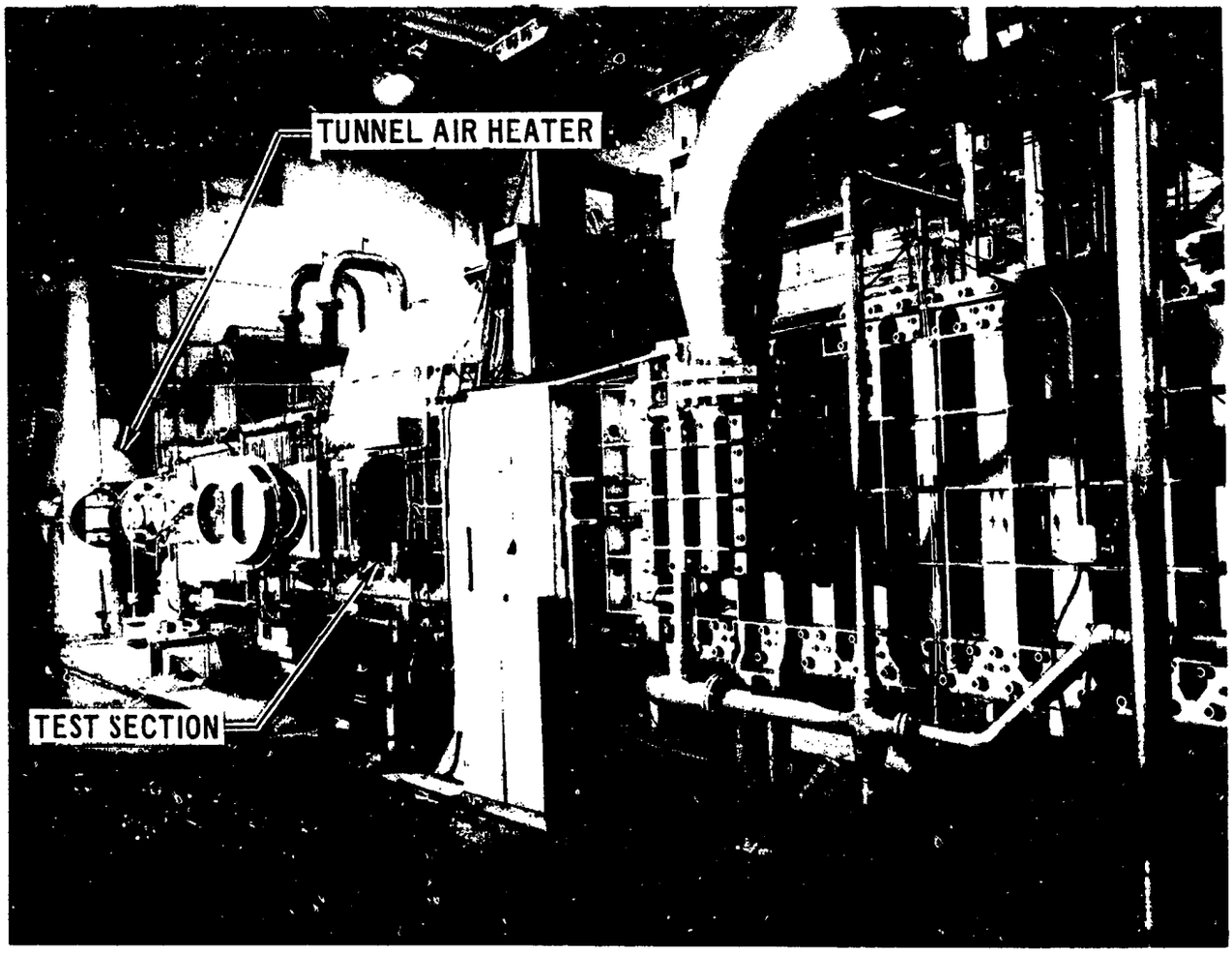
- o ADJUSTABLE GAP
- o SHIMS FOR STUDYING MISMATCH
- o 0 TO $\pm 90^0$ ORIENTATION

Figure 3.0-1

CONTINUOUS FLOW HYPERSONIC TUNNEL (CFHT)

NASA - LaRC

(MACH 10)



FLOW IS FROM LEFT TO RIGHT

Figure 3.0-2

TEST CONDITIONS AND VARIABLES MATRIX

Tests were conducted in the tunnel wall boundary layer of the Langley Continuous Flow Hypersonic Tunnel with freestream flow conditions of Mach number, M_∞ = 10.3, and unit Reynolds number, R_N = 3.28 x 10^6/meter. At these conditions, the tunnel wall boundary layer is fully turbulent with a displacement thickness, δ^*, of approximately 12.06 centimeters. Varied test parameters were: tile orientation (staggered/in-line), gap width, flow angularity, and tile mismatch. An outline of the full test matrix is presented below:

GAP WIDTH (cm)	TILE ARRAY ORIENTATION	TILE MISMATCH (cm)	FLOW ANGULARITY (degs.)
0.127	Staggered	0, +.254	0, 7.5, 15, 30, 45
	In-line	0, +.254	0, 7.5, 15, 30
0.229	Staggered	0, -.168	0, 7.5, 15, 30, 45
	In-line	0, -.168	0, 7.5, 15, 30
0.457	Staggered	0, +.254	0, 7.5, 15, 30, 45
	In-line	0, +.254	0, 7.5, 15, 30
0.711	Staggered	0, +.254	0, 7.5, 15, 30, 45
	In-line	0, +.254	0, 7.5, 15, 30

A complete Run Schedule is presented as Figure 3.0-3

FIGURE 3.0-3 CFHT TEST 92 RUN SCHEDULE

RUN	GAP (cm)	MISMATCH (cm)	TILE ORIENTATION	ALPHA (DEG)	T-C LOCATION	REMARKS
1	0.127	0	Staggered	0	Top	No Data!
2				0		
3				-7.5		
4				-15		
5				-30		
6				-45	Top	
7				-7.5	Bottom	
8				-15		
9				-30		
10			Staggered	-45	Bottom	
11			In-Line	0	Forward	
12				-7.5		
13	0.127	0	In-Line	-15	Forward	
14	0.229	0	Staggered	0	Top	
15				-7.5		
16				-15		
17				-30		
18				-45	Top	
19				-7.5	Bottom	
20				-15		
21				-30		
22			Staggered	-45	Bottom	
23			In-Line	0	Forward	
24				-7.5		
25				-15		
26				-30	Forward	
27				0	Aft	
28				-7.5		
29				-15		
30	0.229	0	In-Line	-30	Aft	
31	0.457	0	Staggered	0	Top	
32				-7.5		
33				-15		
34				-30		
35				-45	Top	
36				-7.5	Bottom	
37				-15		
38				-30		
39			Staggered	-45	Bottom	
40			In-Line	0	Forward	
41				-7.5		
42				-15		
43				-30	Forward	
44				0	Aft	
45				-7.5		
46				-15		
47	0.457	0	In-Line	-30	Aft	

FIGURE 3.0-3 (CONTINUED)

RUN	GAP (cm)	MISMATCH (cm)	TILE ORIENTATION	ALPHA (DEG)	T-C LOCATION	REMARKS
48	0.457	0.254	Staggered	0	Top	
49				-7.5		
50				-15		
51				-30		
52				-45	Top	
53				0	Bottom	
54				-7.5		
55				-15		
56				-30		
57			Staggered	-45	Bottom	
58			In-Line	0	Forward	
59				-7.5		
60				-15		
61				-30	Forward	
62				0	Aft	
63				-7.5		
64				-15		
65	0.457	0.254	In-Line	-30	Aft	
66	0.127	0.254	Staggered	0	Top	
67				-7.5		
68				-15		
69				-30		
70				-45	Top	
71				0	Bottom	
72				-7.5		
73				-15		
74				-30		
75			Staggered	-45	Bottom	
76			In-Line	0	Forward	
77				-7.5		
78				-15		
79				-30	Forward	
80				0	Aft	
81				-7.5		
82				-15		
83	0.127	0.254	In-Line	-30	Aft	
84	0.127	0	In-Line	-15	Forward	
85				-30	Forward	
86				0	Aft	
87				-7.5		
88				-15		
89	0.127	0	In-Line	-30	Aft	
90	0.229	0.254	Staggered	0	Top	
91				-7.5		
92				-15		
93				-30		
94	0.229	0.254	Staggered	-45	Top	

FIGURE 3.0-3 (CONTINUED)

RUN	GAP (cm)	MISMATCH (cm)	TILE ORIENTATION	ALPHA (DEG)	T-C LOCATION	REMARKS
95	0.229	0.254	Staggered	0	Bottom	
96				-7.5		
97				-15		
98				-30		
99			Staggered	-45	Bottom	
100			In-Line	0	Forward	
101				-7.5		
102				-15		
103				-30	Forward	
104				0	Aft	
105				-7.5		
106				-15		
107	0.229	0.254	In-Line	-30	Aft	
108	0.229	-0.168	Staggered	0	Top	
109				-15		
110				-30		
111				-45	Top	
112				0	Bottom	
113				-15		
114				-30		
115			Staggered	-45	Bottom	
116			In-Line	0	Forward	
117				-15		
118				-30	Forward	
119	0.229	-0.168	In-Line	0	Aft	
120	0.711	0	Staggered	0	Top	
121				-7.5		
122				-15		
123				-30		
124				-45	Top	
125				0	Bottom	
126				-7.5		
127				-15		
128				-30		
129			Staggered	-45	Bottom	
130			In-Line	0	Forward	
131				-7.5		
132				-15		
133				-30	Forward	
134				0	Aft	
135				-7.5		
136				-15		
137	0.711	0	In-Line	-30	Aft	
138	0.711	0.254	Staggered	0	Top	
139				-7.5		
140	0.711	0.254	Staggered	-15	Top	No Data!

FIGURE 3.0-3 (CONTINUED)

RUN	GAP (cm)	MISMATCH (cm)	TILE ORIENTATION	ALPHA (DEG)	T-C LOCATION	REMARKS
141	0.711	0.254	Staggered	-15	Top	
142	↓	↓	↓	-30	↓	
143	↓	↓	↓	-45	Top	
144	↓	↓	↓	0	Bottom	
145	↓	↓	↓	-7.5	↓	
146	↓	↓	↓	-15	↓	
147	↓	↓	↓	-30	↓	
148	↓	↓	Staggered In-Line	-45	Bottom Forward	
149	↓	↓	↓	0	↓	
150	↓	↓	↓	-7.5	↓	
151	↓	↓	↓	-15	↓	No Data!
152	↓	↓	↓	-30	↓	
153	↓	↓	↓	-30	Forward Aft	
154	↓	↓	↓	0	↓	
155	↓	↓	↓	-7.5	↓	
156	↓	↓	↓	-15	↓	
157	0.711	0.254	In-Line	-30	Aft	

3.1 MODEL DESCRIPTION

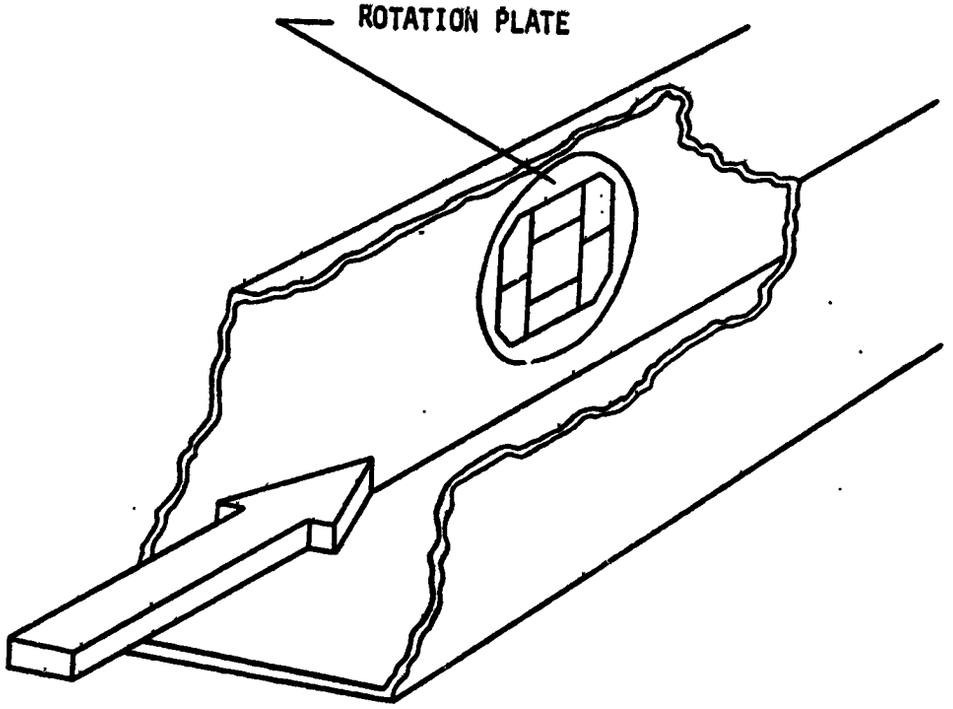
3.1 MODEL DESCRIPTION

The tile-array model utilized in these tests is illustrated schematically in Figure 3.1-1. The model consisted of a single 15.24 by 15.24 centimeter thin skin tile surrounded by six HCF tiles as shown. This array was set in an adapter (Figure 3.1-2) to the facility model injection mechanism in order to provide testing flush to the tunnel side wall. A photograph of the model installed on the injection mechansim is shown in Figure 3.1-3. Photographs of the model positioned flush with the tunnel side wall, both in-line and staggered orientations, are shown in Figures 3.1-4 and 3.1-5 respectively.

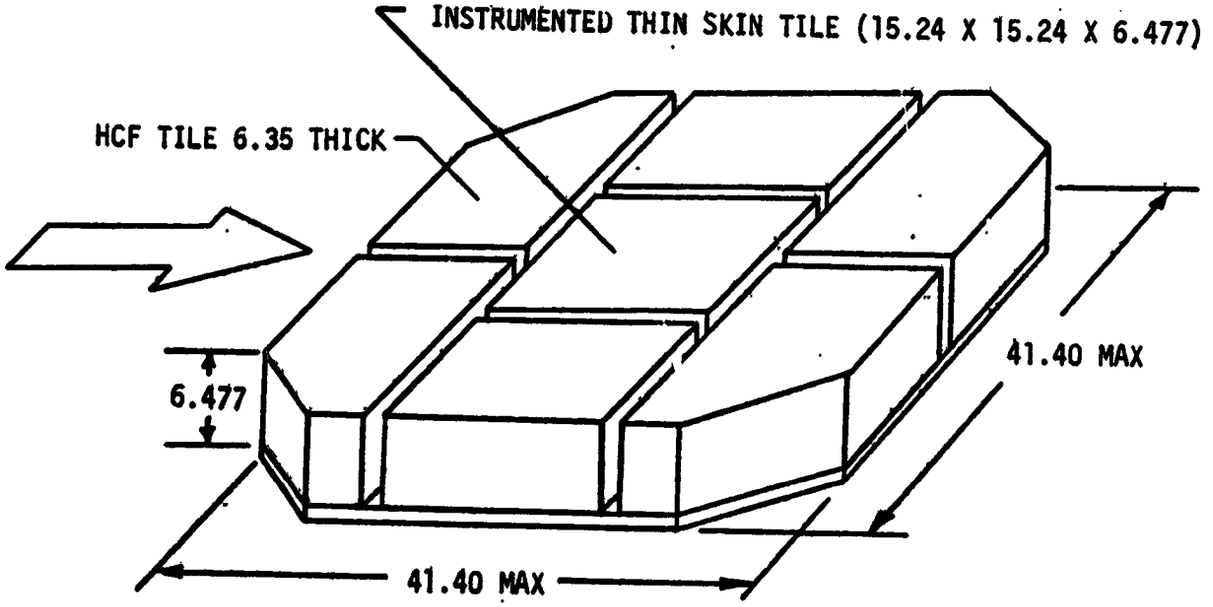
The tile array was constructed such that gap width between tiles was variable (0.127, 0.229, 0.457, 0.711 centimeter). Metal shims (Figure 3.1-2) were used to align all tiles flush with the tunnel wall, as well as to provide mismatch of the instrumented thin skin tile relative to the surrounding tiles. For all test runs, the gaps between the adapter walls and the HCF tile side walls were eliminated by filling with a high temperature rubber sealant.

The HCF tiles were made from MOD IIIA HCF material bonded to 0.127 centimeter thick stainless steel plates with DC-3145 adhesive. All external surfaces of the tiles were coated with the MO-7 one step inorganic coating.

The thin skin tile was fabricated of stainless steel with a uniform thickness of 0.0254 centimeter at LaRC. The tile was instrumented with 81, 30-gage chromel-alumel thermocouples nominally located as indicated in Figure 3.1-6 Orientation of the instrumented portion of the thin skin tile relative to the surrounding HCF tiles is illustrated in Figure 3.1-7 The entire tile array could be rotated a full 360° to allow measurement of the heat transfer to all tile surfaces for the full range of possible flow angularities.



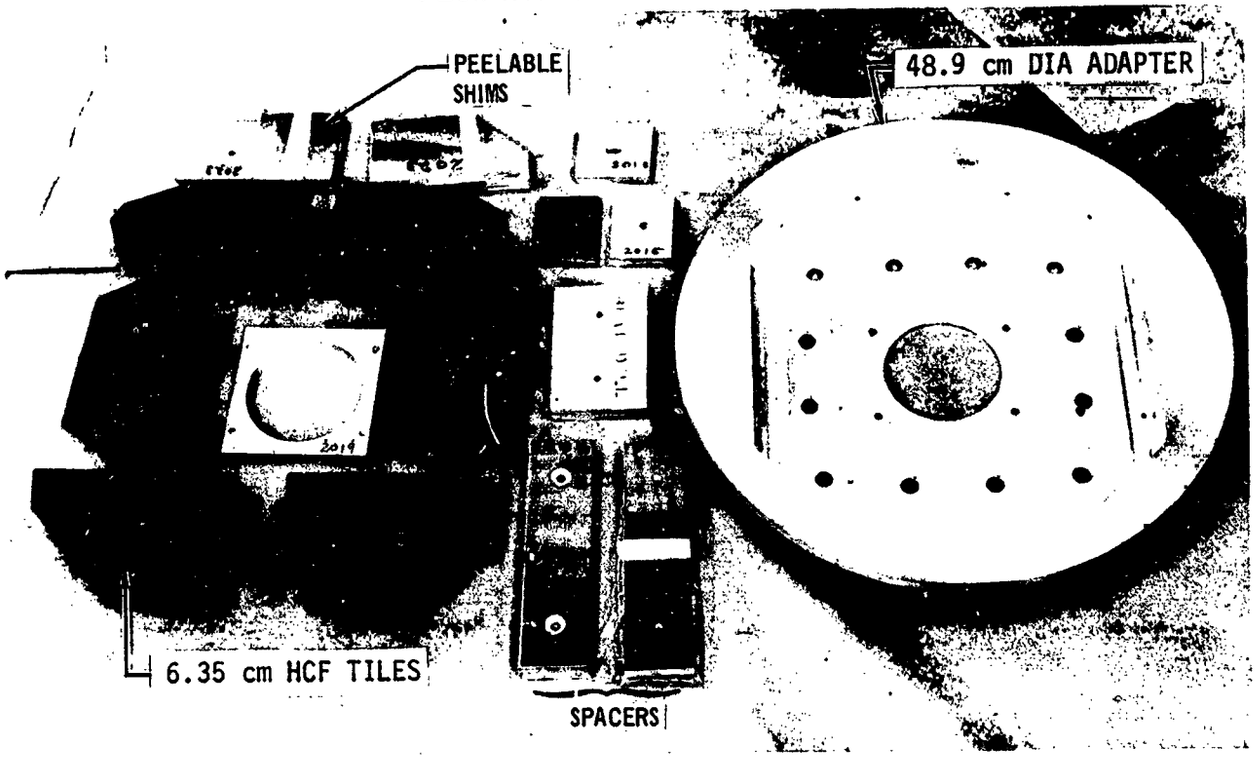
ALL DIMENSIONS IN CENTIMETERS



TILE ARRAY MODEL SCHEMATIC

Figure 3.1-1

COMPONENTS FOR RSI-TPS TEST IN MACH 10 CONTINUOUS FLOW HYPERSONIC TUNNEL



457-3776

Figure 3.1-2

RSI PANEL, ADAPTER RING, DOOR AND INJECTION MECHANISM DURING GAP HEATING TEST AT LANGLEY CFHT

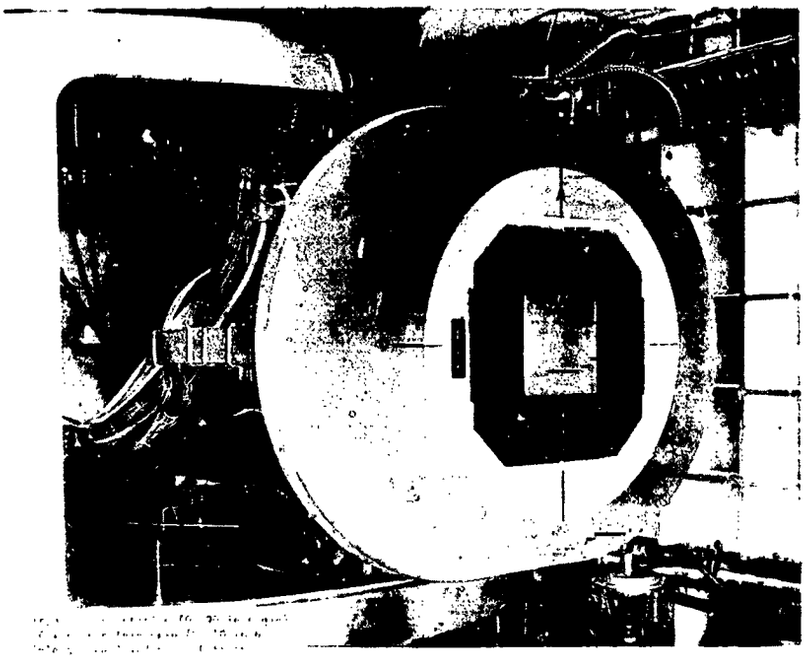


Figure 3.1-3

RSI PANEL (INLINED GAP ORIENTATION, 0.23 cm GAP) INSTALLED IN THE WALL OF THE LANGLEY CFHT



Figure 3.1-4

RSI PANEL (STAGGERED GAP ORIENTATION, 0.23 cm GAP) INSTALLED IN THE WALL OF THE LANGLEY CFHT

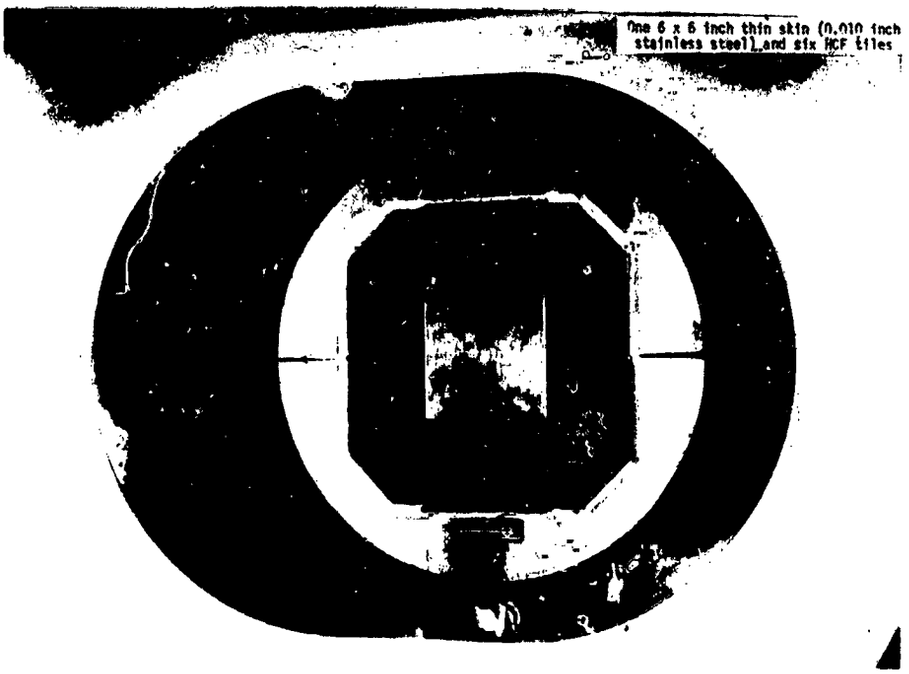
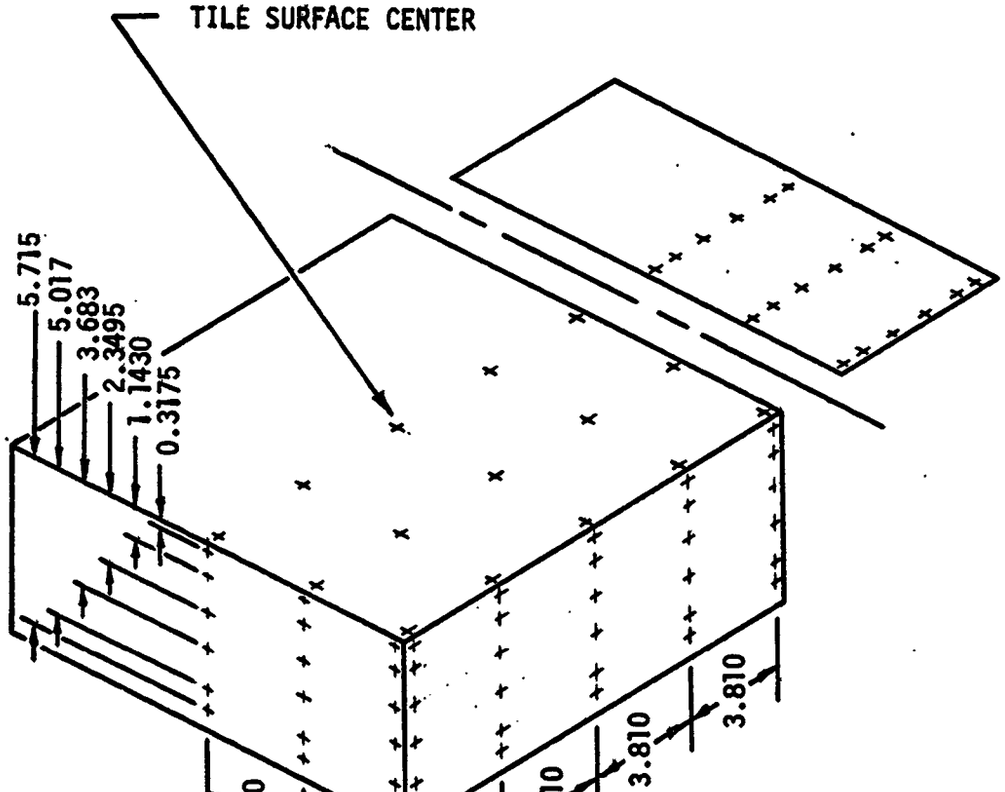


Figure 3.1-5

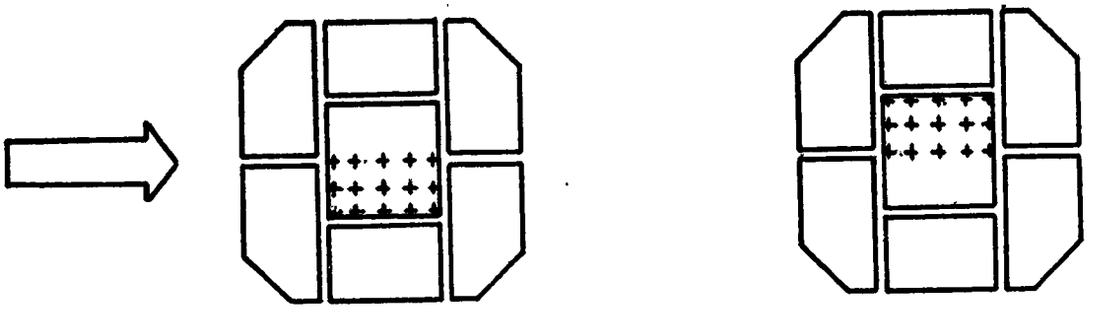


ALL DIMENSIONS IN CENTIMETERS

NOMINAL THERMOCOUPLE LOCATIONS FOR 15.24X15.24 cm
THIN SKIN TILE USED IN CFHT

Figure 3.1-6

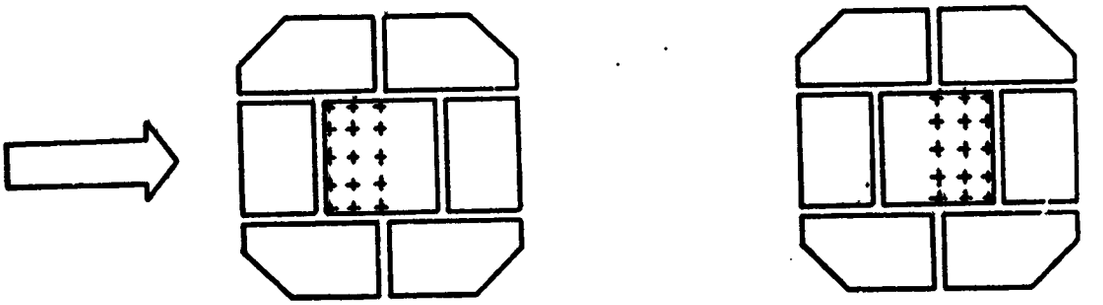
STAGGERED TILE ORIENTATION



Thermocouple location "Bottom"

Thermocouple location "Top"

IN-LINE TILE ORIENTATION



Thermocouple location "Forward"

Thermocouple location "Aft"

Relative Location of Instrumented Portion of Thin Skin Tile.

Figure 3.1-7

3.2 CALIBRATION DATA

3.2 Calibration Data - LaRC performed calibration runs to measure heat transfer data on a model mounted on the tunnel sidewall. The heat transfer was measured on a smooth flat plate under the same nominal flow conditions as the tile array. A photograph of the flat plate model is shown on Figure 3.2-1. Figure 3.2-2 is the measured heat transfer distribution in the vertical direction on the flat plate mounted in the tunnel sidewall. The distribution shown is based upon three data runs at $M_\infty = 10.33$ and $Re_\infty/m = 3.28 \times 10^6$. A significant variation in the heating across the flat plate is observed. This tunnel characteristic has been attributed to the square nozzle and test section which results in a slight flow convergence toward the center of the tunnel sidewall. Data taken on a corrugated panel on the tunnel sidewall exhibited a similar spanwise heating gradient to that observed on the flat plate. Normalizing the corrugated panel heat transfer coefficients by the flat plate coefficients resulted in successful collapsing of the data in the spanwise direction. Because of previous experience in correlating the corrugated panel data, the gap heating data, taken at the same test condition, was normalized by the measured flat plate heat transfer coefficients. Measured heating in the streamwise direction showed a slight decrease with distance as would be expected for a thick turbulent boundary layer.

FLAT HEAT TRANSFER PLATE AND PITOT PRESSURE RAKE ON WALL OF CFHT

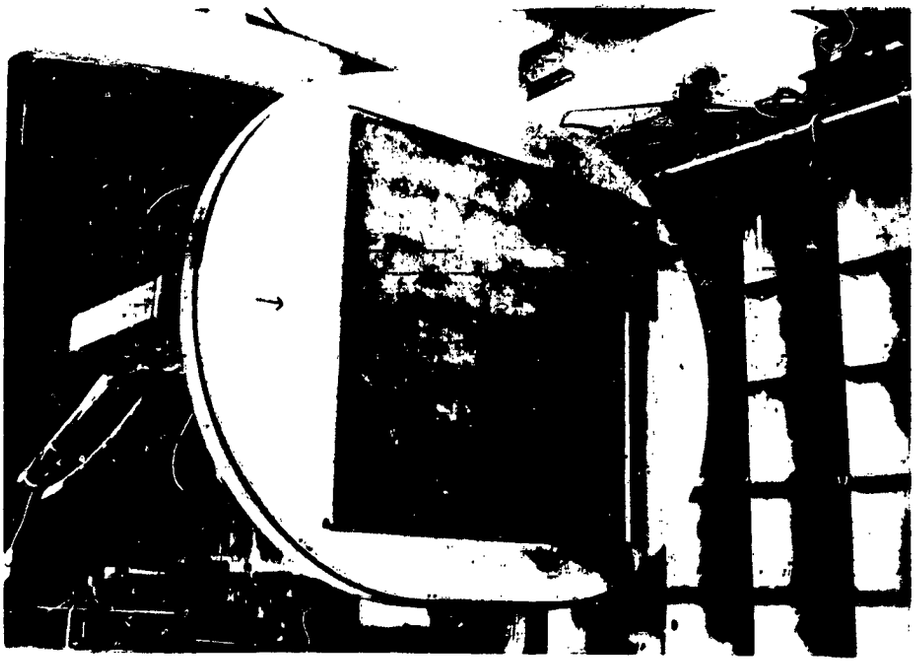
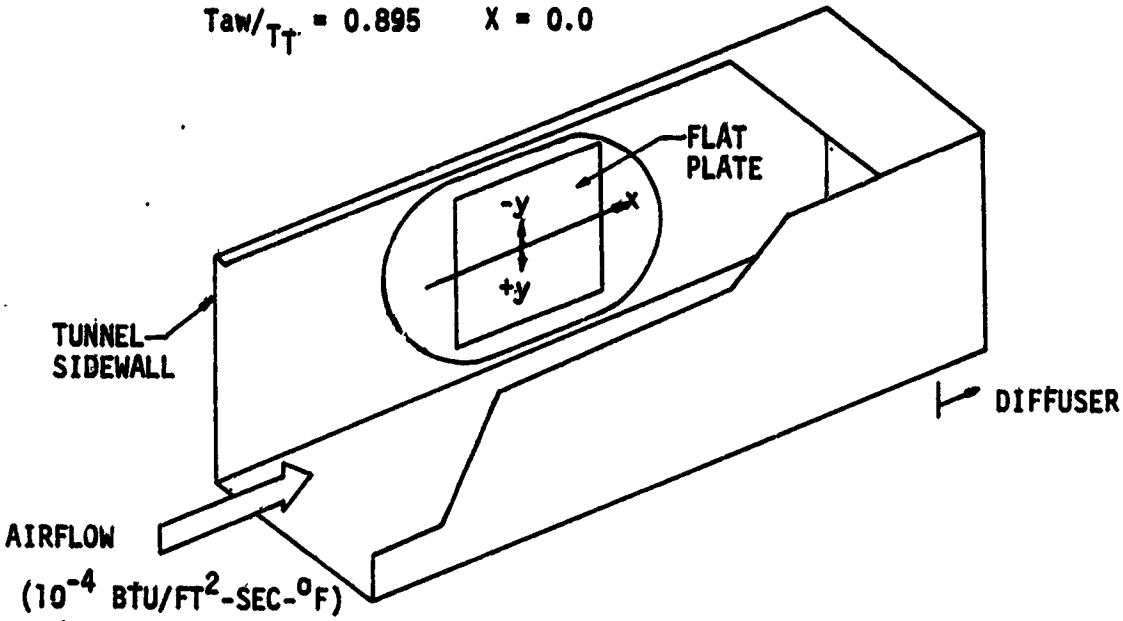


Figure 3.2-1

HEAT TRANSFER DISTRIBUTION $[H_{FP} = F_1(Y)]$ ON FLAT PLATE MOUNTED ON CFHT SIDEWALL

$M_\infty = 10.33$ $Re_\infty/m = 3.28 \times 10^6$ TEST NO. 93

$Taw/T_T = 0.895$ X = 0.0



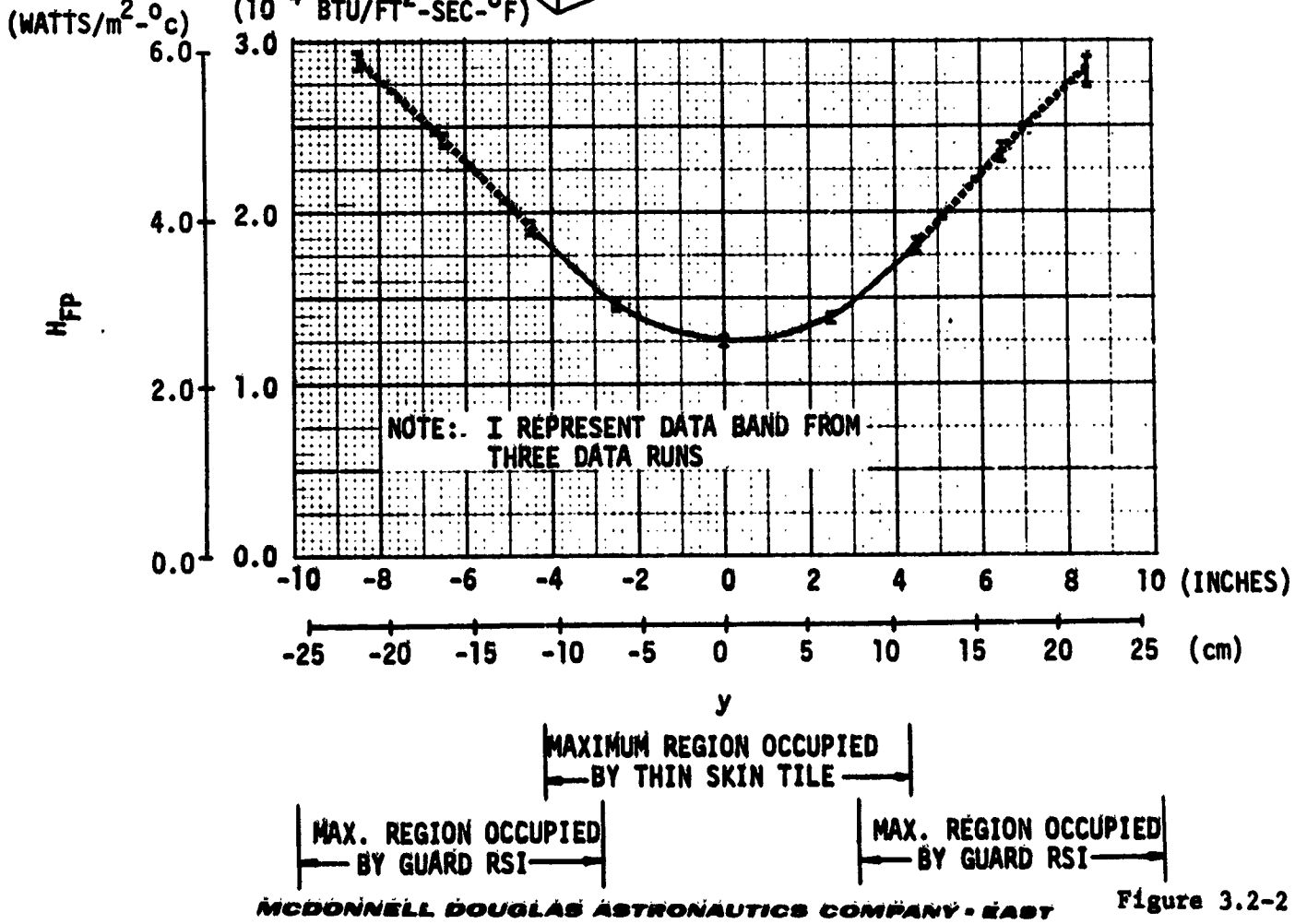


Figure 3.2-2

3.3 TERMINOLOGY IN DATA LISTING

3.3 Explanation of Terminology Used in Data Listing - Results from the CFHT tests presented in Section 3.4 are organized by run number and contain information about test conditions, model configuration and thermocouple location, heat transfer parameters and boundary layer parameters. The data listing was prepared by analyzing and combining information recorded during calibration and test runs with boundary layer information. As described in earlier sections, tile heating information was obtained by repositioning the instrumented tile within the field of tiles. Two basic tile orientations (or configurations) were used; in-line and staggered. The entire panel was rotated from these configurations to obtain intermediate flow orientations to generate data for flow angles (GAMMA) ranging from 0 to 90 degrees. It should be noted that the coordinates "XSURF" and "XB" are based on either the in-line or staggered tile configuration whereas "XC" and "YC" are for a "fixed tile" and the flow rotates. The fixed tile coordinate system is described in Figure 3.3-1.

The terminology used in the data listing is as follows:

MACH = Mach Number

RE/METER = Unit Reynolds Number

HO = Reference heat transfer coefficients, constant for a test run

TW = Wall temperature

TT = Freestream total temperature

PT = Freestream total pressure

T1 = Freestream static temperature

P1 = Freestream static pressure

(RHO V)1 = Freestream density - velocity product

GAP = GAP WIDTH (W)

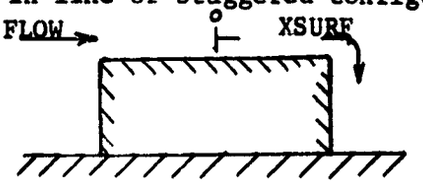
STEP = Step height (>0, protruding tile)
(=0, flush tile)
(<0, recessed tile)

CONF = Tile pattern; STAG → staggered tiles (Figure3.1-5)
IN-LINE → in-line tiles (Figure 3.1-4)

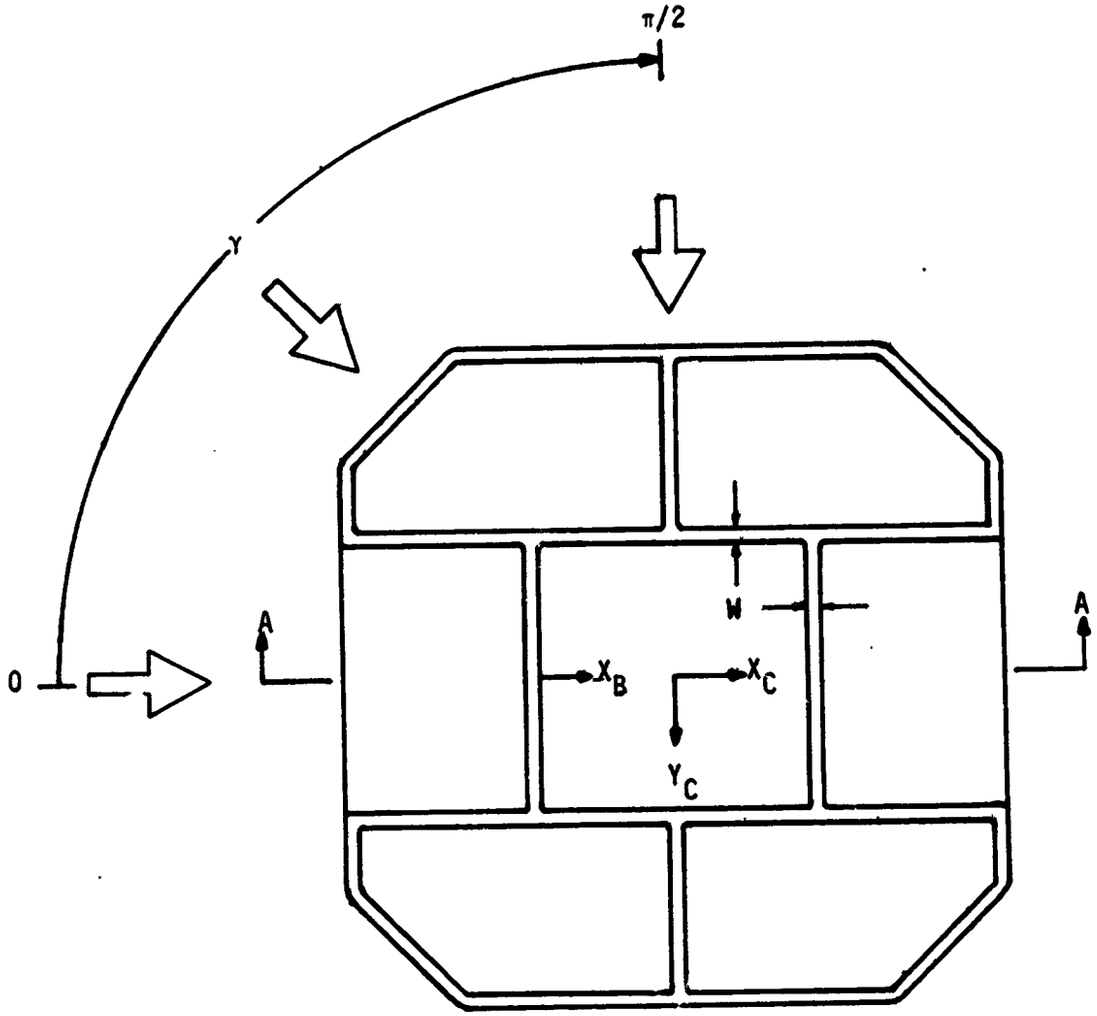
TAW = Adiabatic wall temperature

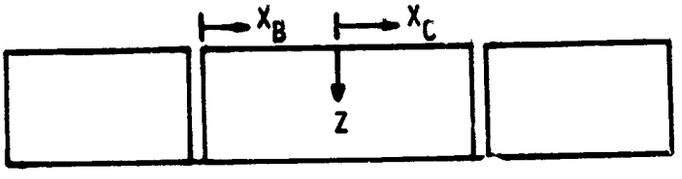
CH = Channel number

XSURF = Surface distance on the instrumented tile and is recorded based on in-line or staggered configuration,



CFHT "TILE FIXED" COORDINATE SYSTEM





VIEW A - A

FIGURE 3.3-1

XB = Distance from leading edge of tile, (X_B)

XC = x-coordinate of instrumentation point, origin at center of tile, (X_c)

YC = y-coordinate of instrumentation point, origin at center of tile, (Y_c)

Z = Distance from top of tile (XC, YX, Z form right hand coordinate system)

Y-NOR = Vertical distance from tunnel centerline to instrumentation locations, used for interpolating calibration plate heating curve

HT = Convective heat transfer coefficient based on a $Taw/T_t = 0.895$

HT/HO = Heat transfer coefficient ratio

HT/HF = Convective heat transfer ratioed to calibration plate heating

NSTT = Stanton number based on freestream conditions and HT

DELS = Displacement thickness based on starred condition

M-THK = Momentum thickness

SUB-L = Laminar sublayer thickness

HT/HE = Convective heat transfer coefficient in gap ratioed to coefficient measured on top of tile

Information for thermocouples with abnormal data is omitted from data listing. Also contained in Section 3.4 is the computation of average, maximum and minimum heating ratios on the top of the tile. Data are arranged by gap, step and flow orientation. Terminology used for pages 3.4-315 to 3.4-316 is as follows:

GAP = Gap width

STEP = Step height

G = Flow orientation

H/HREF(AVE) = Average heat transfer coefficient ratio for top of tile, (HREF= calibration plate convective heat transfer coefficient)

ICOUNT = Number of data points with zero or abnormal heat transfer coefficient

AREA = Area computed to form average heating ratio. Top of tile has a 232.26 cm^2 area.

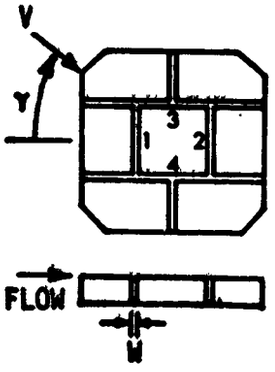
H/HREF(MAX) = Maximum heat transfer coefficient ratio on top of tile

XC AND YC = Location of maximum heat transfer coefficient ratio on top of tile

H/HREF(MIN)= Minimum heat transfer coefficient ratio on top of tile

XMC AND YMC= Location of minimum heat transfer coefficient ratio on top of tile

Pages 3.4-316 to 3.4-324 contain the listing of the average, maximum and minimum heat transfer coefficients for the top row of thermocouples in the gap. Data are organized according to a number assigned to the side of the instrumented tile.



The data listing is similar to the listing prepared for the top of the tile.

DIST = Length used to determine H/HREF(AVE)

3.4 TEST DATA LISTING

3.4 Data Listing For CFHT Gap Heating Tests

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	90.0	7.99	.36	-7.26	7.62	.33	-7.26	6.874E-04	.332	.272	2.247E-05	10.36	.75	.50	.459
49	90.0	7.33	.35	-7.27	7.30	0.00	-7.27	1.529E-03	.739	.604	1.111E-04	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	2.356E-03	1.143	.931	2.648E-04	10.33	.75	.50	
51	90.0	4.00	.22	-7.40	0.00	0.00	-7.40	2.292E-03	1.116	.905	2.515E-04	10.31	.75	.50	
52	90.0	-3.58	.27	-7.35	-3.58	0.00	-7.35	2.234E-03	1.085	.883	2.383E-04	10.33	.75	.50	
53	90.0	-7.24	.46	-7.16	-7.24	0.00	-7.16	1.727E-03	.839	.682	1.410E-04	10.39	.75	.50	
54	90.0	-7.83	.36	-7.26	-7.62	.31	-7.26	9.771E-04	.472	.386	4.539E-05	10.36	.75	.50	.569
55	90.0	-8.69	.32	-7.30	-7.62	1.11	-7.30	7.314E-05	.035	.029	2.548E-07	10.34	.75	.50	.043
56															
57	90.0	-11.29	.36	-7.26	-7.62	3.70	-7.26	1.057E-05	.005	.004	5.312E-09	10.36	.75	.50	.006
58	90.0	-12.95	.38	-7.24	-7.62	4.97	-7.24	1.315E-06	.001	.001	8.211E-11	10.36	.75	.50	.001
59															
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	7.047E-04	.347	.278	2.403E-05	10.24	.74	.50	.469
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	4.455E-05	.022	.018	9.602E-08	10.24	.74	.50	.030
62															
63															
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	2.573E-05	.013	.010	3.203E-08	10.24	.74	.50	.017
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	1.467E-05	.007	.006	1.041E-08	10.24	.74	.50	.010
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	1.166E-03	.544	.437	5.915E-05	10.24	.74	.50	.476
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	4.289E-05	.021	.017	8.903E-08	10.24	.74	.50	.018
68															
69															
70	90.0	3.45	0.00	-7.62	3.45	5.04	-7.62	2.086E-05	.010	.008	2.105E-08	10.24	.74	.50	.009
71	90.0	3.40	0.00	-7.62	3.40	5.81	-7.62	3.159E-05	.016	.013	4.863E-08	10.24	.74	.50	.014
72	90.0	0.00	0.00	-7.62	0.00	.38	-7.62	1.242E-05	.006	.005	7.461E-09	10.24	.74	.50	.005
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	4.951E-05	.024	.020	1.186E-07	10.24	.74	.50	.022
74															
75															
76															
77															
78	90.0	-3.53	0.00	-7.62	-3.53	.38	-7.62	9.502E-04	.472	.379	4.461E-05	10.24	.74	.50	.436
79	90.0	-3.63	0.00	-7.62	-3.53	1.17	-7.62	7.394E-05	.036	.029	2.645E-07	10.24	.74	.50	.034
80	90.0	-3.60	0.00	-7.62	-3.60	2.42	-7.62	3.136E-06	.002	.001	4.758E-10	10.24	.74	.50	.001
81	90.0	-3.55	0.00	-7.62	-3.55	3.76	-7.62	3.812E-06	.002	.002	7.032E-10	10.24	.74	.50	.002
82	90.0	-3.58	0.00	-7.62	-3.58	5.08	-7.62	4.231E-06	.002	.002	8.662E-10	10.24	.74	.50	.002
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	1.138E-05	.006	.004	6.269E-09	10.24	.74	.50	.005
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	1.067E-03	.496	.398	4.911E-05	10.24	.74	.50	.597
85	90.0	-7.36	0.00	-7.62	-7.36	1.09	-7.62	8.182E-05	.040	.032	3.160E-07	10.24	.74	.50	.048
86	90.0	-7.36	0.00	-7.62	-7.36	2.36	-7.62	9.486E-06	.005	.004	4.354E-09	10.24	.74	.50	.006
87	90.0	-7.37	0.00	-7.62	-7.33	3.74	-7.62	1.346E-05	.007	.005	8.767E-09	10.24	.74	.50	.008
88	90.0	-7.37	0.00	-7.62	-7.33	5.03	-7.62	1.543E-05	.008	.006	1.307E-08	10.24	.74	.50	.010
89															

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CFHT TEST (92), MDAC-E RSI GAPS, RUN (3) 1973 PAGE 85

MACH = 10.293 TT = 1.018E+03(K)
RX EQS = 5.648E-01 PI = 5.174E+06(N/M2)
RL EQS = 9.038E-02 TI = 4.803E+01(K)
RE/METER = 3.165E+06 PI = 0.980 E+02(N/M2)
HO = 2.554E+08(W/M2- K) (RHO V)I = 1.018E+01(KG/M2-S)
TW = 297.8 (K) GAP = .127 (CM)
STEP = 0.000(CM) CONF =ST86

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES\GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	13.39	7.62	0.00	7.62	5.70	.99	2.762E-06	.001	.001	2.955E-10	11.55	.83	.50	.002
10															
11															
12															
13	82.5	9.93	7.62	0.00	7.62	1.14	.99	9.986E-05	.040	.039	3.928E-07	11.55	.83	.50	.064
14	82.5	9.02	7.62	0.00	7.62	.33	.99	7.428E-04	.296	.294	2.163E-05	11.55	.83	.50	.479
15	82.5	7.29	7.62	0.00	7.29	0.00	.95	1.551E-03	.617	.613	9.450E-05	11.55	.83	.50	
16	82.5	3.63	7.62	0.00	3.63	0.00	.47	2.922E-03	1.159	1.155	3.343E-04	11.56	.83	.50	
17	82.5	0.00	7.62	0.00	0.00	0.00	0.00	3.106E-03	1.227	1.227	3.763E-04	11.56	.83	.50	
18	82.5	-3.54	7.62	0.00	-3.54	0.00	-.46	3.209E-03	1.273	1.268	4.031E-04	11.55	.83	.50	
19	82.5	-7.27	7.62	0.00	-7.27	0.00	-.95	2.709E-03	1.078	1.078	2.883E-04	11.53	.83	.50	
20	82.5	-7.97	7.62	0.00	-7.62	.41	-.99	1.130E-03	.450	.447	5.020E-05	11.52	.83	.50	.417
21	82.5	-9.72	7.62	0.00	-7.62	1.17	-.99	7.414E-05	.030	.029	2.160E-07	11.52	.83	.50	.027
22															
23															
24	82.5	-12.62	7.62	0.00	-7.62	5.07	-.99	2.395E-06	.001	.001	2.255E-10	11.52	.83	.50	.001
25															
26	82.5	13.35	3.96	-3.76	7.62	5.70	-2.74	2.903E-06	.001	.001	3.368E-10	11.37	.82	.50	.002
27	82.5	12.63	3.82	-3.80	7.62	5.04	-2.78	4.953E-06	.002	.002	9.809E-10	11.36	.82	.50	.003
28	82.5	11.36	3.86	-3.76	7.62	3.72	-2.73	6.842E-07	.000	.000	1.458E-11	11.37	.82	.50	.000
29															
30	82.5	9.84	3.79	-3.83	7.62	1.16	-2.80	8.748E-05	.035	.035	3.862E-07	11.36	.82	.50	.046
31	82.5	7.97	3.75	-3.87	7.62	.33	-2.84	8.864E-04	.360	.358	3.146E-05	11.35	.82	.50	.465
32	82.5	7.24	3.83	-3.79	7.24	0.00	-2.81	1.907E-03	.773	.753	1.455E-04	11.36	.82	.50	
33	82.5	3.71	3.70	-3.92	3.71	0.00	-3.40	2.874E-03	1.180	1.135	3.346E-04	11.27	.81	.50	
34	82.5	0.00	3.67	-3.95	0.00	0.00	-3.92	2.891E-03	1.202	1.142	3.431E-04	11.19	.81	.50	
35	82.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	2.994E-03	1.266	1.183	3.742E-04	11.11	.80	.50	
36	82.5	-7.28	3.88	-3.74	-7.28	0.00	-4.66	2.375E-03	1.018	.939	2.387E-04	11.04	.80	.50	
37	82.5	-7.97	3.83	-3.79	-7.62	.37	-4.75	1.015E-03	.437	.401	4.374E-05	11.02	.80	.50	.429
38	82.5	-8.71	3.88	-3.74	-7.62	1.15	-4.70	4.752E-05	.020	.019	9.570E-08	11.03	.80	.50	.028
39															
40	82.5	-11.22	3.82	-3.80	-7.62	3.62	-4.76	7.094E-06	.003	.003	2.138E-09	11.02	.80	.50	.003
41															
42	82.5	-13.29	4.01	-3.62	-7.62	5.68	-4.58	5.963E-06	.003	.002	1.580E-09	11.06	.80	.50	.003
43															
44	82.5	14.57	.29	-7.33	7.62	4.91	-6.27	1.056E-06	.000	.000	5.863E-11	10.65	.77	.50	.001
45	82.5	11.79	.33	-7.32	7.62	3.72	-6.26	1.958E-05	.001	.001	1.567E-10	10.65	.77	.50	.001
46															
47	82.5	8.82	.27	-7.35	7.62	1.16	-6.29	8.739E-05	.031	.027	2.863E-07	10.65	.77	.50	.038

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	MSTT	DELS (CM)	M-TMK (CM)	SUB-L (CM)	HT/HE
48	92.5	7.33	.36	-7.26	7.62	.33	-6.21	7.651E-04	.351	.302	2.650E-05	10.67	.77	.50	.434
49	92.5	7.31	.35	-7.27	7.30	0.06	-6.25	1.758E-03	.808	.695	1.402E-04	10.66	.77	.50	
50	82.5	3.69	.29	-7.33	3.69	0.00	-6.78	2.499E-03	1.180	.988	2.918E-04	10.50	.76	.50	
51	92.5	0.00	.22	-7.40	0.00	0.00	-7.34	2.297E-03	1.115	.908	2.527E-04	10.33	.75	.50	
52	92.5	-3.59	.27	-7.35	-3.58	0.00	-7.76	2.092E-03	1.038	.827	2.143E-04	10.19	.74	.50	
53	92.5	-7.24	.46	-7.16	-7.24	0.00	-8.04	1.547E-03	.788	.611	1.192E-04	10.09	.74	.50	
54	82.5	-7.89	.36	-7.26	-7.62	.31	-8.19	8.697E-04	.442	.344	3.798E-05	10.04	.73	.50	.567
55	82.5	-5.69	.32	-7.30	-7.62	1.11	-8.23	6.529E-05	.034	.026	2.211E-07	10.03	.73	.50	.043
56															
57															
58	92.5	-12.55	.38	-7.24	-7.62	4.97	-8.18	4.057E-06	.002	.002	8.260E-10	10.05	.73	.50	.003
59	82.5	-13.20	.37	-7.25	-7.62	5.62	-8.18	1.884E-06	.001	.000	5.901E-11	10.04	.73	.50	.001
60	82.5	7.14	0.00	-7.62	7.14	.27	-6.62	8.173E-04	.383	.323	3.886E-05	10.55	.76	.50	.473
61	82.5	7.35	0.00	-7.62	7.35	1.17	-6.68	6.857E-05	.032	.027	2.170E-07	10.56	.77	.50	.048
62															
63															
64															
65															
66	92.5	3.44	0.00	-7.62	3.44	.36	-7.11	1.158E-03	.556	.458	6.352E-05	10.40	.75	.50	.471
67	92.5	3.44	0.00	-7.62	3.44	1.19	-7.11	5.415E-05	.026	.021	1.388E-07	10.40	.76	.50	.022
68															
69															
70															
71	92.5	3.47	0.00	-7.62	3.40	5.81	-7.11	7.861E-06	.004	.003	2.926E-09	10.40	.76	.50	.003
72															
73	92.5	0.00	0.00	-7.62	0.00	1.15	-7.55	5.983E-05	.029	.024	1.733E-07	10.26	.75	.50	.026
74															
75	92.5	0.00	0.00	-7.62	0.00	3.70	-7.55	1.214E-06	.001	.000	7.128E-11	10.26	.75	.50	.001
76	92.5	0.00	0.00	-7.62	0.00	4.99	-7.55	8.053E-07	.000	.000	3.139E-11	10.26	.75	.50	.000
77	92.5	0.00	0.00	-7.62	0.00	5.74	-7.55	8.256E-06	.004	.003	3.387E-09	10.26	.75	.50	.004
78	82.5	-3.59	0.00	-7.62	-3.59	.38	-8.02	8.896E-04	.448	.352	3.935E-05	10.10	.74	.50	.432
79	92.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	5.796E-05	.029	.023	1.671E-07	10.10	.74	.50	.028
80															
81															
82															
83															
84	92.5	-7.33	0.00	-7.62	-7.33	.31	-8.51	9.006E-04	.467	.356	4.149E-05	9.92	.72	.50	.598
85	82.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	4.509E-05	.024	.018	1.087E-07	9.92	.72	.50	.031
86															
87															
88															
89	92.5	-7.35	0.00	-7.62	-7.35	5.66	-8.51	9.456E-07	.000	.000	4.574E-11	9.92	.72	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CENT TEST (92), MDAC-E RSI GAPS, RUN (4) 1973 PAGE 87

MACH = 10.290
RY EOS = 5.545E-01
PL EOS = 7.891E-02
RE/METER = 3.107E+06
HO = 2.554E+08(N/M2-. K)
TW = 298.2 (K)
STEP = 0.001(CM)

TT = 1.029E+03(K)
RI = 5.178E+06(N/M2)
T1 = 4.855E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.012E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =2.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES|GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	13.31	7.62	0.00	7.62	5.70	1.97	9.989E-06	.004	.004	3.976E-09	11.50	.83	.50	.006
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	4.327E-06	.002	.002	7.459E-10	11.50	.83	.50	.003
11															
12	75.0	10.35	7.62	0.00	7.62	2.36	1.97	1.752E-06	.001	.001	1.223E-10	11.50	.83	.50	.001
13	75.0	9.93	7.62	0.00	7.62	1.14	1.97	9.737E-05	.039	.038	3.778E-07	11.50	.83	.50	.062
14	75.0	9.42	7.62	1.00	7.62	.33	1.97	7.382E-04	.296	.292	2.172E-05	11.50	.83	.50	.473
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.351E-03	.626	.617	9.703E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	2.087E-03	1.149	1.141	3.294E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.121E-03	1.233	1.233	3.021E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	3.217E-03	1.288	1.271	4.890E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	2.686E-03	1.077	1.061	2.873E-04	11.46	.82	.50	
20	75.0	-7.97	7.62	0.00	-7.62	.41	-1.97	1.125E-03	.452	.445	5.846E-05	11.45	.82	.50	.419
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	7.398E-05	.030	.029	2.181E-07	11.45	.82	.50	.028
22															
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	6.635E-06	.003	.003	1.754E-09	11.45	.82	.50	.002
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	5.389E-06	.002	.002	1.157E-09	11.45	.82	.50	.002
25															
26															
27	75.0	12.69	3.82	-3.80	7.62	5.04	-1.70	1.871E-07	.000	.000	1.393E-12	11.49	.83	.50	.000
28															
29	75.0	10.79	3.81	-3.81	7.62	2.44	-1.71	2.397E-07	.000	.000	2.284E-12	11.48	.83	.50	.000
30	75.0	9.93	3.79	-3.83	7.62	1.16	-1.73	8.171E-05	.033	.032	2.656E-07	11.47	.82	.50	.039
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	9.468E-04	.379	.374	3.566E-05	11.47	.82	.50	.756
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.076E-03	.832	.820	1.715E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	3.025E-03	1.227	1.195	3.685E-04	11.35	.82	.50	
34	75.0	3.00	3.67	-3.95	0.00	0.00	-3.82	2.912E-03	1.206	1.151	3.488E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	2.987E-03	1.247	1.149	3.600E-04	11.04	.80	.50	
36	75.0	-7.28	3.80	-3.74	-7.28	0.00	-5.50	2.252E-03	1.005	.894	2.258E-04	10.85	.78	.50	.413
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	9.286E-04	.415	.367	3.829E-05	10.82	.78	.50	.022
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	4.867E-05	.022	.019	1.049E-07	10.83	.78	.50	.002
39															
40	75.0	-11.22	3.82	-3.80	-7.62	3.62	-5.64	5.379E-06	.002	.002	1.285E-09	10.82	.78	.50	.002
41															
42															
43															
44	75.0	12.57	.29	-7.33	7.62	4.91	-5.10	5.824E-06	.002	.002	1.419E-09	10.95	.79	.50	.003
45	75.0	11.34	.30	-7.32	7.62	3.72	-5.09	8.837E-06	.004	.003	3.382E-09	10.95	.79	.50	.004
46	75.0	10.33	.28	-7.34	7.62	2.37	-5.13	4.357E-06	.002	.002	8.273E-10	10.94	.79	.50	.002
47	75.0	9.92	.27	-7.35	7.62	1.16	-5.12	6.421E-05	.029	.025	1.788E-07	10.94	.79	.50	.032

McDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

PFHT TEST (921), MDAC-E PSI GAPS, PUN (4) 1973 PAGE 88

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
49	75.0	7.33	.36	-7.26	7.62	.33	-5.04	8.490E-04	.369	.335	3.115E-05	10.96	.79	.50	.424
49	75.0	7.33	.35	-7.27	7.30	0.00	-5.13	1.995E-03	.871	.788	1.726E-04	10.94	.79	.50	
50	75.0	3.69	.29	-7.33	3.69	0.00	-6.12	2.606E-03	1.191	1.030	3.082E-04	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	2.243E-03	1.078	.886	2.401E-04	10.39	.75	.50	
52	75.0	-3.59	.27	-7.35	-3.58	0.00	-8.03	2.001E-03	1.008	.791	2.003E-04	10.10	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	0.00	-8.79	1.440E-03	.758	.569	1.083E-04	9.82	.72	.50	
54	75.0	-7.99	.36	-7.26	-7.62	.31	-8.99	8.147E-04	.433	.322	3.507E-05	9.74	.71	.50	.572
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-9.02	5.910E-05	.032	.023	1.849E-07	9.73	.71	.50	.042
56	75.0	-8.90	.37	-7.25	-7.62	2.32	-8.98	3.117E-06	.002	.001	5.130E-10	9.74	.71	.50	.002
57															
58	75.0	-12.55	.38	-7.24	-7.62	4.97	-8.97	1.223E-07	.000	.000	7.900E-13	9.75	.71	.50	.000
59	75.0	-13.21	.37	-7.25	-7.62	5.62	-8.98	1.018E-05	.005	.004	5.470E-09	9.75	.71	.50	.007
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	9.239E-04	.411	.365	3.769E-05	10.85	.78	.50	.471
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	7.571E-05	.034	.030	2.524E-07	10.86	.78	.50	.039
62	75.0	7.13	0.00	-7.62	7.13	2.34	-5.52	5.366E-06	.002	.002	1.271E-09	10.85	.78	.50	.003
63															
64															
65	75.0	7.14	0.00	-7.62	7.14	5.63	-5.51	1.676E-07	.000	.000	1.241E-12	10.85	.78	.50	.000
66	75.0	3.44	0.00	-7.62	3.44	.36	-6.47	1.260E-03	.557	.474	6.637E-05	10.60	.77	.50	.468
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	6.539E-05	.030	.026	1.972E-07	10.60	.77	.50	.025
68															
69	75.0	3.50	0.00	-7.62	3.50	3.74	-6.45	1.085E-05	.005	.004	5.228E-09	10.60	.77	.50	.004
70															
71															
72															
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	6.469E-05	.031	.026	2.019E-07	10.32	.75	.50	.029
74															
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	1.838E-06	.001	.001	1.629E-10	10.32	.75	.50	.001
76	75.0	0.00	0.00	-7.62	0.00	4.99	-7.36	6.362E-07	.000	.000	2.377E-11	10.32	.75	.50	.000
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	4.269E-06	.002	.002	8.789E-10	10.32	.75	.50	.002
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-8.29	8.348E-04	.427	.338	3.540E-05	10.00	.73	.50	.424
79	75.0	-3.63	0.00	-7.62	-3.63	1.17	-8.30	5.804E-05	.030	.023	1.712E-07	10.00	.73	.50	.029
80															
81															
82	75.0	-3.59	0.00	-7.62	-3.58	5.08	-8.29	5.039E-06	.003	.002	1.290E-09	10.01	.73	.50	.003
83	75.0	-3.62	0.00	-7.62	-3.62	5.79	-8.30	3.994E-06	.002	.002	8.185E-10	10.00	.73	.50	.002
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	8.476E-04	.458	.335	3.052E-05	9.63	.71	.50	.604
85	75.0	-7.36	0.00	-7.62	-7.36	1.09	-9.26	4.566E-05	.024	.018	1.089E-07	9.63	.71	.50	.032
86															
87															
88	75.0	-7.33	0.00	-7.62	-7.33	5.83	-9.26	1.920E-06	.001	.001	1.977E-10	9.63	.71	.50	.001
89	75.0	-7.35	0.00	-7.62	-7.35	5.66	-9.26	1.581E-06	.001	.001	1.341E-10	9.63	.71	.50	.001

CFHT TEST (92), MOD C-F RSI GAPS, RUN (5) 1973

MACH = 10.293
RY E06 = 5.478E-01
RL E06 = 7.785E-02
PE/METER = 3.469E+06
HO = 2.554E+08 (W/M2- K)
TW = 299.5 (K)
STEP = 0.010 (CM)

TT = 1.035E+03 (K)
PI = 5.178E+05 (N/M2)
TI = 4.088E+01 (K)
PI = 0.979E+02 (N/M2)
(RHO V)I = 1.808E+01 (KG/M2-S)
GAP = .127 (CM)
CONF = STAG

TAN/TT = 1.99E FOR HT/HO
YSURF = SURFACE DISTANCE (FLOW DIRECTION) (=0 AT 90 DEG)

TILE COORDINATES (GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.79	7.62	0.00	7.62	5.70	3.81	9.364E-06	.004	.004	3.594E-09	11.29	.81	.58	.006
10	60.0	12.72	7.62	0.00	7.62	5.03	3.81	2.445E-06	.001	.001	2.458E-10	11.29	.81	.58	.001
11															
12															
13	60.0	8.83	7.62	0.00	7.62	1.14	3.81	8.092E-05	.033	.032	2.684E-07	11.29	.81	.58	.849
14	60.0	8.02	7.62	0.38	7.62	.33	3.81	7.584E-04	.316	.304	2.420E-05	11.29	.81	.58	.469
15	60.0	7.29	7.62	1.00	7.29	0.00	3.65	1.642E-03	.673	.649	1.182E-04	11.32	.82	.58	
16	60.0	3.63	7.62	3.99	3.63	0.00	1.82	2.822E-03	1.131	1.115	3.184E-04	11.51	.83	.58	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.070E-03	1.213	1.213	3.714E-04	11.56	.83	.58	
18	60.0	-3.54	7.62	8.90	-3.54	0.00	-1.77	3.108E-03	1.245	1.228	3.860E-04	11.47	.82	.58	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	2.512E-03	1.078	1.032	2.807E-04	11.24	.81	.58	
20	60.0	-7.97	7.62	0.70	-7.62	.41	-3.81	1.108E-03	.459	.438	5.066E-05	11.21	.81	.58	.426
21	60.0	-8.72	7.62	0.00	-7.62	1.17	-3.81	7.158E-05	.030	.028	2.122E-07	11.21	.81	.58	.028
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	8.556E-07	.000	.000	3.094E-11	11.21	.81	.58	.000
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	4.379E-06	.002	.002	7.920E-10	11.21	.81	.58	.002
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	2.222E-06	.001	.001	2.039E-10	11.21	.81	.58	.001
25	60.0	-13.28	7.62	0.00	-7.62	5.73	-3.81	1.502E-06	.001	.001	9.314E-11	11.21	.81	.58	.001
26	60.0	13.35	3.86	-3.76	7.62	5.73	.55	3.075E-06	.001	.001	3.742E-10	11.56	.83	.58	.001
27	60.0	12.68	3.82	-3.80	7.62	5.64	.52	5.247E-06	.002	.002	1.089E-09	11.56	.83	.58	.002
28															
29															
30	60.0	6.80	3.73	-3.83	7.62	1.16	.49	6.979E-05	.027	.027	1.672E-07	11.56	.83	.58	.838
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.039E-03	.412	.411	4.273E-05	11.56	.83	.58	.458
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.312E-03	.916	.914	2.113E-04	11.56	.83	.58	
33	60.0	3.71	3.79	-3.92	3.71	0.00	-1.54	3.125E-03	1.250	1.235	3.896E-04	11.49	.83	.58	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	2.966E-03	1.177	1.132	3.364E-04	11.27	.81	.58	
35	60.0	-3.53	3.73	-3.89	-3.59	0.00	-5.16	2.738E-03	1.196	1.082	3.271E-04	10.93	.79	.58	
36	60.0	-7.23	3.84	-3.74	-7.28	0.00	-6.88	2.189E-03	1.000	.833	2.103E-04	10.47	.76	.58	.489
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	8.546E-04	.409	.337	3.486E-05	10.41	.76	.58	.828
38	60.0	-8.75	3.88	-3.74	-7.62	1.15	-7.05	4.228E-05	.020	.017	8.528E-08	10.42	.76	.58	
39															
40															
41															
42															
43															
44															
45	60.0	11.39	.31	-7.32	7.62	3.72	-2.53	1.012E-07	.000	.000	4.115E-13	11.39	.82	.58	.000
46															
47	60.0	8.82	.27	-7.35	7.62	1.16	-2.55	5.914E-05	.024	.023	1.406E-07	11.39	.82	.58	.024
48	60.0	7.99	.36	-7.26	7.62	.33	-2.48	1.066E-03	.430	.421	4.569E-05	11.40	.82	.58	.438

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (99), MACH-E RSI GAPS, RUN (5) 1973 PAGE 90

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUR-L (CM)	HT/HE
49	60.0	7.31	.39	-7.27	7.30	0.00	-2.64	2.475E-03	1.000	.978	2.468E-04	11.38	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.00	-4.50	2.907E-03	1.238	1.149	3.598E-04	11.08	.80	.50	
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	2.168E-03	1.004	.857	2.170E-04	10.61	.77	.50	
52	60.0	-3.59	.27	-7.35	-3.58	0.00	-8.16	1.820E-03	.924	.719	1.677E-04	10.05	.73	.50	
53	60.0	-7.24	.40	-7.16	-7.24	0.00	-9.82	1.215E-03	.676	.488	8.194E-05	9.40	.69	.50	
54	60.0	-7.49	.36	-7.26	-7.62	.31	-10.10	7.808E-04	.396	.277	2.766E-05	9.28	.68	.50	.585
55	60.0	-8.69	.32	-7.39	-7.62	1.11	-10.13	6.872E-05	.034	.024	2.880E-07	9.26	.68	.50	.051
56															
57															
58															
59	60.0	-13.23	.37	-7.25	-7.62	5.62	-10.09	5.240E-06	.003	.002	1.546E-09	9.28	.68	.50	.004
60	60.0	7.14	0.00	-7.62	7.14	.27	-3.03	1.165E-03	.475	.460	5.516E-05	11.33	.82	.50	.475
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	7.123E-05	.029	.028	2.056E-07	11.34	.82	.50	.029
62															
63															
64															
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	8.874E-07	.000	.000	3.199E-11	11.33	.82	.50	.000
66	60.0	3.44	0.00	-7.62	3.44	.36	-4.88	1.344E-03	.581	.531	7.788E-05	11.00	.79	.50	.469
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	5.257E-05	.023	.021	1.192E-07	11.00	.79	.50	.018
68															
69															
70															
71															
72															
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	5.732E-05	.027	.023	1.532E-07	10.56	.77	.50	.027
74															
75															
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	4.699E-06	.002	.002	1.829E-09	10.56	.77	.50	.002
77	60.0	3.33	0.00	-7.62	0.00	5.74	-6.60	2.475E-06	.001	.001	2.857E-10	10.56	.77	.50	.001
78	60.0	-3.59	0.00	-7.62	-3.59	.38	-8.39	7.589E-04	.396	.304	3.035E-05	9.97	.73	.50	.428
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	4.342E-05	.025	.020	1.255E-07	9.96	.73	.50	.020
80															
81															
82															
83															
84	60.0	-7.33	0.00	-7.62	-7.33	.31	-10.26	7.262E-04	.414	.287	2.995E-05	9.21	.68	.50	.612
85	60.0	-7.36	0.00	-7.62	-7.36	1.09	-10.28	4.415E-05	.025	.017	1.188E-07	9.20	.68	.50	.037
86															
87															
88															
89	60.0	-7.35	0.00	-7.62	-7.35	5.65	-10.27	8.440E-07	.000	.000	4.049E-11	9.20	.68	.50	.001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (321), MDAC-E RSI GAPS, RUN (6) 1973

MACH = 10.290
RX EJ6 = 1.000E+05
RL EJ6 = 8.151E-02
PE/METER = 3.209E+06
HC = 2.554E+00 (W/M2- K)
TW =*556.0 (K)
STEP = 0.300(CM)

TT = 1.012E+03(K)
PI = 5.186 E+06(N/M2)
T1 = 4.773E+01(K)
P1 = 0.984 E+02(N/M2)
(RHO V)1 = 1.025E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	45.0	12.72	7.62	0.00	7.62	5.03	5.39	7.364E-06	.003	.003	2.278E-09	11.00	.80	.50	.004
11	45.0	11.34	7.62	0.00	7.62	3.74	5.39	6.121E-07	.000	.000	1.568E-11	11.00	.80	.50	.003
12															
13	45.0	8.93	7.62	0.00	7.62	1.14	5.39	7.558E-05	.032	.030	2.391E-07	11.00	.80	.50	.043
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	8.077E-04	.345	.319	2.731E-05	11.00	.80	.50	.459
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.773E-03	.751	.700	1.386E-04	11.05	.80	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.834E-03	1.143	1.128	3.175E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.952E-03	1.170	1.170	3.399E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.084E-03	1.210	1.187	3.566E-04	11.48	.82	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	2.598E-03	1.135	1.027	2.893E-04	10.94	.79	.50	
20	45.0	-7.67	7.62	0.00	-7.62	.41	-5.39	1.084E-03	.479	.428	5.092E-05	10.88	.79	.50	.422
21	45.0	-9.72	7.62	0.00	-7.62	1.17	-5.39	7.270E-05	.032	.029	2.291E-07	10.88	.79	.50	.028
22															
23	45.0	-11.25	7.62	0.00	-7.62	3.70	-5.39	4.757E-06	.002	.002	9.889E-10	10.88	.79	.50	.002
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	5.397E-06	.002	.002	1.263E-09	10.88	.79	.50	.002
25	45.0	-13.23	7.62	0.00	-7.62	5.73	-5.39	4.798E-06	.002	.002	9.982E-10	10.88	.79	.50	.002
26	45.0	13.33	3.96	-3.76	7.62	5.70	2.73	8.931E-06	.004	.004	3.162E-09	11.43	.82	.50	.004
27	45.0	12.68	3.92	-3.80	7.62	5.04	2.78	2.374E-06	.001	.001	2.232E-10	11.43	.82	.50	.001
28	45.0	11.36	3.86	-3.76	7.62	3.72	2.73	1.103E-05	.004	.004	4.827E-09	11.43	.82	.50	.005
29	45.0	10.09	3.81	-3.81	7.62	2.44	2.69	3.242E-06	.001	.001	4.164E-10	11.43	.82	.50	.001
30	45.0	8.93	3.79	-3.83	7.62	1.16	2.68	8.956E-05	.033	.032	2.577E-07	11.44	.82	.50	.034
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.073E-03	.433	.424	4.560E-05	11.44	.82	.50	.452
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.382E-03	.959	.941	2.241E-04	11.46	.82	.50	
33	45.0	3.71	3.76	-3.92	3.71	0.00	-.15	3.318E-03	1.309	1.308	4.251E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	2.921E-03	1.184	1.154	3.391E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	2.685E-03	1.181	1.861	3.118E-04	10.90	.79	.50	
36	45.0	-7.28	3.89	-3.74	-7.28	0.00	-7.79	1.928E-03	.956	.762	1.812E-04	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	8.815E-04	.405	.317	3.183E-05	10.08	.73	.50	.423
38	45.0	-9.75	3.88	-3.74	-7.62	1.15	-8.03	4.454E-05	.023	.018	9.853E-08	10.10	.74	.50	.023
39															
40	45.0	-11.22	3.82	-3.80	-7.62	3.62	-8.07	1.994E-07	.000	.000	1.971E-12	10.08	.73	.50	.000
+1	45.0	-12.64	3.95	-3.67	-7.62	5.04	-7.98	1.159E-05	.006	.005	6.748E-09	10.11	.74	.50	.006
42	45.0	-13.29	4.00	-3.62	-7.62	5.68	-7.95	6.844E-06	.003	.003	2.304E-09	10.13	.74	.50	.004
+3															
44	45.0	12.57	.29	-7.33	7.62	4.91	.21	3.949E-06	.002	.002	6.054E-10	11.56	.83	.50	.002
45	45.0	11.39	.30	-7.32	7.62	3.72	.22	2.552E-06	.001	.001	2.527E-10	11.56	.83	.50	.001
46															
+7	45.0	8.82	.27	-7.35	7.62	1.15	.19	1.559E-05	.030	.030	2.218E-07	11.56	.83	.50	.029

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CENT TEST (92), MDAC-E RSI GAPS, RUN (6) 1973 PAGE 92

PH	GAMMA (DEG)	XSUBE (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	45.0	7.99	.36	-7.26	7.62	.33	.25	1.151E-03	.452	.451	5.054E-05	11.56	.83	.50	.444
50	45.0	7.79	.35	-7.27	7.30	1.00	.32	2.572E-03	1.017	1.016	2.565E-04	11.56	.83	.50	
51	45.0	3.69	.29	-7.33	3.69	0.00	-2.58	2.763E-03	1.114	1.092	3.020E-04	11.39	.82	.50	
51	45.0	0.00	.22	-7.40	0.00	0.00	-5.23	2.255E-03	.990	.891	2.189E-04	10.92	.79	.50	
52	45.0	-3.59	.27	-7.35	-3.59	0.00	-7.73	1.761E-03	.872	.696	1.506E-04	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	1.192E-03	.676	.471	7.908E-05	9.24	.68	.50	
54	45.0	-7.83	.36	-7.26	-7.62	.31	-10.52	6.775E-04	.391	.268	2.598E-05	9.09	.67	.50	.578
55	45.0	-8.63	.32	-7.30	-7.62	1.11	-10.55	6.561E-05	.038	.026	2.440E-07	9.08	.67	.50	.056
56	45.0	-9.9.	.37	-7.25	-7.62	2.32	-10.52	7.773E-07	.000	.000	3.419E-11	9.09	.67	.50	.001
57	45.0	-11.29	.36	-7.26	-7.62	3.70	-10.52	6.048E-06	.003	.002	2.070E-09	9.09	.67	.50	.005
58	45.0	-12.85	.34	-7.24	-7.62	4.97	-10.51	8.265E-07	.000	.000	3.864E-11	9.09	.67	.50	.001
59	45.0	-13.24	.37	-7.25	-7.62	5.62	-10.52	3.458E-06	.002	.001	6.764E-10	9.09	.67	.50	.003
60	45.0	7.14	0.0	-7.62	7.14	.27	-.34	1.246E-03	.494	.492	6.033E-05	11.55	.83	.50	.486
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	7.775E-05	.031	.031	2.346E-07	11.55	.83	.50	.030
62															
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.30	1.632E-05	.006	.006	1.035E-08	11.55	.83	.50	.006
64	45.0	7.14	0.00	-7.62	7.14	5.02	-.34	6.570E-06	.003	.003	1.729E-09	11.55	.83	.50	.003
65															
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	1.271E-03	.517	.502	6.446E-05	11.34	.82	.50	.464
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	6.753E-05	.028	.027	1.824E-07	11.34	.82	.50	.025
68	45.0	3.45	0.00	-7.62	3.45	2.44	-2.95	1.041E-06	.001	.001	1.351E-10	11.34	.82	.50	.001
69	45.0	3.50	0.00	-7.62	3.50	3.74	-2.91	1.215E-06	.000	.000	5.884E-11	11.34	.82	.50	.000
70															
71	45.0	3.44	0.00	-7.62	3.44	5.01	-2.95	8.481E-06	.003	.003	2.870E-09	11.33	.82	.50	.003
72	45.0	4.44	0.00	-7.62	0.00	.38	-5.39	4.858E-06	.002	.002	1.323E-09	10.88	.79	.50	.002
73	45.0	4.00	0.00	-7.62	0.00	1.15	-5.39	5.927E-05	.026	.023	1.523E-07	10.88	.79	.50	.026
74															
75	45.0	4.44	0.00	-7.62	4.44	3.73	-5.39	3.530E-07	.000	.000	5.713E-12	10.98	.79	.50	.000
76	45.0	4.44	0.00	-7.62	0.00	4.99	-5.39	3.772E-06	.002	.001	6.169E-10	10.88	.79	.50	.002
77	45.0	4.44	0.00	-7.62	4.44	5.74	-5.39	9.557E-06	.004	.004	4.051E-09	10.98	.79	.50	.004
78	45.0	-7.69	0.00	-7.62	-3.69	.38	-7.93	7.453E-04	.323	.294	2.729E-05	10.13	.74	.50	.429
79	45.0	-7.69	0.00	-7.62	-3.69	1.17	-7.95	6.742E-05	.034	.027	2.237E-07	10.12	.74	.50	.039
80															
81	45.0	-7.69	0.00	-7.62	-3.69	3.75	-7.90	8.146E-06	.003	.002	1.853E-09	10.14	.74	.50	.004
82	45.0	-7.69	0.00	-7.62	-3.69	5.04	-7.92	5.336E-06	.003	.002	1.399E-09	10.14	.74	.50	.003
83	45.0	-7.69	0.00	-7.62	-7.62	5.79	-7.95	9.390E-06	.005	.004	4.337E-09	10.13	.74	.50	.005
84	45.0	-7.83	0.00	-7.62	-7.83	.31	-10.57	7.147E-04	.414	.282	2.399E-05	9.07	.67	.50	.611
85	45.0	-7.83	0.00	-7.62	-7.36	1.09	-10.59	5.709E-05	.033	.023	1.951E-07	9.06	.67	.50	.049
86															
87	45.0	-7.83	0.00	-7.62	-7.83	3.74	-10.57	1.332E-06	.001	.000	5.044E-11	9.07	.67	.50	.001
88	45.0	-7.83	0.00	-7.62	-7.83	5.03	-10.57	8.213E-08	.000	.000	2.191E-13	9.07	.67	.50	.000
89	45.0	-7.83	0.00	-7.62	-7.36	5.66	-10.59	1.562E-06	.001	.001	1.336E-10	9.06	.67	.50	.001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

FEHT TEST (32), 4DAC-F RSI GAPS, RUN (7) 1973 PAGE 1

MACH = 10.290 TT = 1.017E+03(K)
PX E06 = 7.858E-02 PI = 5.184 E+06(N/M2)
RL E06 = 8.076E-02 T1 = 4.795E+01(K)
PE/METER = 3.179E+06 P1 = 0.982E+02(N/M2)
HC = 2.554E+00(N/M2- K) (RHO V)1 = 1.021E+01(KG/M2-S)
TW = 301.1 (K) GAP = .127 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.89F FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OF 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	-13.39	7.62	0.00	-7.62	5.70	-.99	4.763E-07	.000	.000	8.893E-12	11.52	.83	.50	.000
10															
11															
12															
13	82.5	-8.93	7.62	0.00	-7.62	1.14	-.99	9.294E-05	.037	.037	3.386E-07	11.52	.83	.50	.039
14	82.5	-8.02	7.62	0.00	-7.62	.33	-.99	1.229E-03	.486	.482	5.837E-05	11.52	.83	.50	.512
15	82.5	-7.21	7.62	0.00	-7.29	0.00	-.95	2.384E-03	.949	.942	2.227E-04	11.53	.83	.50	
16	82.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.194E-03	1.267	1.262	3.983E-04	11.55	.83	.50	
17	82.5	0.10	7.62	0.00	0.00	0.00	0.00	2.939E-03	1.161	1.161	3.359E-04	11.56	.83	.50	
18	82.5	3.54	7.62	0.00	3.54	0.00	.46	2.708E-03	1.074	1.070	2.863E-04	11.56	.83	.50	
19	82.5	7.27	7.62	0.00	7.27	0.00	.95	1.654L 03	.662	.657	1.084E-04	11.55	.83	.50	
20	82.5	7.97	7.62	0.00	7.62	.41	.99	6.929E-04	.276	.274	1.882E-05	11.55	.83	.50	.417
21	82.5	8.72	7.62	0.00	7.62	1.17	.99	1.851E-04	.042	.042	4.489E-07	11.59	.83	.50	.064
22															
23															
24															
25															
26															
27															
28															
29															
30	82.5	-9.40	11.45	3.83	-7.62	1.16	2.80	7.312E-05	.030	.029	2.130E-07	11.42	.82	.50	.027
31	82.5	-7.97	11.49	3.87	-7.62	.33	2.84	1.339E-03	.542	.529	7.141E-05	11.42	.82	.50	.497
32	82.5	-7.24	11.41	3.79	-7.24	0.00	2.81	2.696E-03	1.091	1.065	2.895E-04	11.42	.82	.50	
33	82.5	-3.71	11.54	3.92	-3.71	0.00	3.48	3.842E-03	1.242	1.202	3.719E-04	11.35	.82	.50	
34	82.5	0.00	11.5	3.95	0.00	0.00	3.92	2.742E-03	1.129	1.003	3.048E-04	11.28	.81	.50	
35	82.5	3.59	11.51	3.89	3.59	0.00	4.32	2.578E-03	1.060	1.016	2.782E-04	11.21	.81	.50	
36	82.5	7.28	11.36	3.74	7.28	0.00	4.66	1.543E-03	.688	.649	1.112E-04	11.15	.81	.50	
37	82.5	7.97	11.41	3.79	7.62	.37	4.75	7.509E-04	.319	.301	2.392E-05	11.13	.80	.50	.464
38	82.5	8.75	11.36	3.74	7.62	1.15	4.70	7.809E-05	.033	.031	2.517E-07	11.14	.80	.50	.048
39															
40															
41															
42															
43															
44	82.5	-12.57	14.95	7.33	-7.62	4.91	6.27	1.497E-06	.001	.001	9.671E-11	10.80	.78	.50	.001
45															
46															
47	82.5	-8.92	14.97	7.35	-7.62	1.16	6.29	7.856E-05	.031	.028	2.149E-07	10.79	.78	.50	.033
48	82.5	-7.93	14.89	7.26	-7.62	.33	6.21	1.029E-03	.450	.407	4.560E-05	10.81	.78	.50	.488

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFMT TEST (921), MACH=F PSI GAPS, RUN (7) 197.

CM	GAMMA (DEG)	XSURF (CM)	YS (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	92.5	-7.33	14.89	7.27	-7.30	0.00	6.25	2.141E-03	.930	.846	1.976E-04	10.80	.76	.50	
51	92.5	-3.49	14.95	7.33	-3.69	0.00	6.78	2.313E-03	1.033	.914	2.351E-04	10.66	.77	.50	
1	92.5	0.00	15.02	7.40	0.00	0.00	7.34	2.149E-03	.979	.849	2.071E-04	10.50	.76	.50	
52	92.5	3.58	14.97	7.35	3.58	0.00	7.76	2.058E-03	.956	.813	1.936E-04	10.37	.76	.50	
53	92.5	7.24	14.78	7.16	7.24	0.00	8.04	1.162E-03	.550	.459	6.287E-05	10.28	.75	.50	
54	92.5	7.49	14.88	7.26	7.62	.31	8.19	6.598E-04	.320	.265	2.107E-05	10.23	.75	.50	.502
55	92.5	9.69	14.92	7.30	7.62	1.11	8.23	1.814E-04	.849	.040	4.841E-07	10.22	.75	.50	.088
56															
57															
58															
59	92.5	13.20	14.87	7.25	7.62	5.62	8.18	3.078E-06	.001	.001	4.447E-10	10.23	.75	.50	.003
60	92.5	-7.14	15.24	7.62	-7.14	.27	6.62	9.921E-04	.448	.392	4.388E-05	10.78	.78	.50	.478
61	92.5	-7.35	15.24	7.62	-7.35	1.17	6.60	6.751E-05	.030	.027	1.989E-07	10.71	.78	.50	.032
62	92.5	-7.13	15.24	7.62	-7.13	2.34	6.62	5.528E-06	.002	.002	1.335E-09	10.70	.78	.50	.003
63	92.5	-7.19	15.24	7.62	-7.19	3.71	6.62	1.459E-06	.001	.001	9.301E-11	10.71	.78	.50	.001
64															
65	92.5	-7.14	15.24	7.62	-7.14	5.63	6.62	8.448E-07	.000	.000	3.112E-11	10.78	.78	.50	.000
66	92.5	-3.44	15.24	7.62	-3.44	.36	7.11	1.113E-03	.503	.440	5.586E-05	10.57	.77	.50	.487
67	92.5	-3.44	15.24	7.62	-3.44	1.19	7.11	6.727E-05	.030	.027	2.013E-07	10.57	.77	.50	.029
68															
69	92.5	-3.50	15.24	7.62	-3.50	3.74	7.10	9.258E-06	.004	.004	3.811E-09	10.57	.77	.50	.004
70															
71	92.5	-3.44	15.24	7.62	-3.40	5.81	7.11	9.075E-06	.004	.004	3.663E-09	10.57	.77	.50	.004
72															
73	92.5	0.00	15.24	7.62	0.00	1.15	7.55	7.092E-05	.033	.028	2.274E-07	10.43	.76	.50	.033
74															
75															
76	92.5	0.00	15.24	7.62	0.00	4.99	7.55	7.664E-07	.000	.000	2.655E-11	10.43	.76	.50	.000
77	92.5	0.14	15.24	7.62	0.00	5.74	7.55	2.316E-07	.000	.000	2.425E-12	10.43	.76	.50	.000
78	92.5	3.59	15.24	7.62	3.59	.38	8.02	9.438E-04	.445	.373	4.133E-05	10.28	.75	.50	.466
79	92.5	3.63	15.24	7.62	3.63	1.17	8.03	8.403E-05	.040	.033	3.283E-07	10.28	.75	.50	.042
80															
81	92.5	3.55	15.24	7.62	3.55	3.76	8.02	2.289E-06	.001	.001	2.433E-10	10.29	.75	.50	.001
82	92.5	3.53	15.24	7.62	3.58	5.08	8.02	4.089E-06	.002	.002	7.770E-10	10.29	.75	.50	.002
83	92.5	3.62	15.24	7.62	3.62	5.79	8.03	1.043E-05	.005	.004	5.086E-09	10.28	.75	.50	.005
84	92.5	7.33	15.24	7.62	7.33	.31	8.51	7.299E-04	.355	.288	2.551E-05	10.12	.74	.50	.646
85	92.5	7.36	15.24	7.62	7.36	1.09	8.52	8.388E-05	.041	.033	3.370E-07	10.12	.74	.50	.074
86															
87															
88															
89	92.5	7.35	15.24	7.62	7.35	5.66	8.51	5.720E-06	.003	.002	1.567E-09	10.12	.74	.50	.005

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

HEAT TEST (92), MOAC-E RSI GAPS, RUN (8) 1973 PAGE 3

MACH = 10.299
RX E06 = 1.000E+05
RL E06 = 8.058E-02
RE/METER = 3.176E+06
HO = 2.554E+00(W/M2- K)
Tw = 555.0 (K)
STEP = 4.000(CM)

TT = 1.018E+03(K)
PI = 5.187 E+06(N/M2)
T1 = 4.088E+01(K)
P1 = 0.983 E+02(N/M2)
(PHO V)1 = 1.021E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAN/TT =0.095 FOR HT/HO

XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	75.0	-12.77	7.62	0.00	-7.62	5.03	-1.97	8.259E-06	.003	.003	2.700E-09	11.45	.82	.50	.003
11															
12															
13	75.0	-8.93	7.62	0.00	-7.62	1.14	-1.97	7.373E-05	.038	.029	2.147E-07	11.45	.82	.50	.038
14	75.0	-8.02	7.62	0.00	-7.62	.33	-1.97	1.239E-03	.497	.489	6.059E-05	11.45	.82	.50	.507
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	2.442E-03	.979	.965	2.354E-04	11.46	.82	.50	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.182E-03	1.267	1.257	3.967E-04	11.53	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	2.911E-03	1.150	1.150	3.296E-04	11.56	.83	.50	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.670E-03	1.063	1.055	2.792E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.88	1.672E-03	.671	.661	1.104E-04	11.50	.83	.50	
20	75.0	7.97	7.62	0.00	7.62	.41	1.97	6.945E-04	.279	.274	1.905E-05	11.50	.83	.50	.416
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	8.511E-05	.034	.034	2.860E-07	11.50	.83	.50	.051
22															
23	75.0	11.25	7.62	0.00	7.62	3.70	1.97	2.998E-06	.001	.001	3.549E-10	11.50	.83	.50	.002
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	8.599E-06	.003	.003	2.989E-09	11.50	.83	.50	.005
25	75.0	13.23	7.62	0.00	7.62	5.73	1.97	1.303E-05	.005	.005	6.701E-09	11.50	.83	.50	.008
26	75.0	-13.35	11.38	3.76	-7.62	5.70	1.66	7.239E-06	.003	.003	2.093E-09	11.52	.83	.50	.003
27	75.0	-12.69	11.42	3.80	-7.62	5.04	1.70	5.460E-06	.002	.002	1.175E-09	11.52	.83	.50	.002
28															
29															
30	75.0	-8.80	11.45	3.83	-7.62	1.16	1.73	6.713E-05	.027	.027	1.776E-07	11.51	.83	.50	.024
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	1.485E-03	.563	.555	7.784E-05	11.51	.83	.50	.495
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	2.840E-03	1.138	1.122	3.188E-04	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.143E-03	1.272	1.242	3.936E-04	11.42	.82	.50	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.82	2.728E-03	1.121	1.078	3.089E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.496E-03	1.046	.986	2.570E-04	11.15	.81	.50	
36	75.0	7.24	11.36	3.74	7.28	0.00	5.50	1.591E-03	.681	.629	1.067E-04	10.98	.79	.50	
37	75.0	7.37	11.41	3.79	7.62	.37	5.63	7.243E-04	.311	.286	2.220E-05	10.95	.79	.50	.457
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	7.389E-05	.032	.029	2.307E-07	10.96	.79	.50	.047
39															
40															
41															
42	75.0	13.29	11.24	3.62	7.62	5.68	5.47	9.400E-06	.004	.004	3.721E-09	11.06	.80	.50	.006
43	75.0	-13.37	14.97	7.35	-7.62	5.70	5.12	6.392E-06	.003	.003	1.703E-09	11.06	.80	.50	.003
44															
45															
46	75.0	-13.17	14.93	7.36	-7.62	2.37	5.13	2.278E-06	.001	.001	2.163E-10	11.06	.80	.50	.001
47	75.0	-8.92	14.97	7.35	-7.62	1.16	5.12	6.541E-05	.029	.026	1.783E-07	11.06	.80	.50	.029

CFHT TEST (92), MCAC-E PSI GAPS, RUN (8) 1973 PAGE 4

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	JELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.0	-7.99	14.88	7.26	-7.62	.33	5.84	1.189E-03	.469	.438	5.115E-05	11.08	.80	.50	.483
49	75.0	-7.30	14.89	7.27	-7.30	0.00	5.13	2.291E-03	.970	.905	2.187E-04	11.06	.80	.50	
50	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	2.365E-03	1.032	.934	2.482E-04	10.83	.79	.50	
51	75.0	0.00	15.02	7.40	0.00	0.00	7.15	2.071E-03	.937	.818	1.918E-04	10.56	.77	.50	
52	75.0	3.59	14.97	7.35	3.59	0.00	8.03	1.896E-03	.896	.749	1.670E-04	10.28	.75	.50	
53	75.0	7.24	14.78	7.16	7.24	0.00	8.79	1.805E-03	.497	.397	4.914E-05	10.02	.73	.50	
54	75.0	7.99	14.88	7.26	7.62	.31	8.99	6.803E-04	.308	.237	1.775E-05	9.95	.73	.50	.604
55	75.0	8.69	14.92	7.30	7.62	1.11	9.02	9.311E-05	.047	.037	4.278E-07	9.94	.73	.50	.094
56															
57															
58	75.0	12.55	14.86	7.24	7.62	4.97	8.97	4.983E-06	.002	.002	1.222E-09	9.95	.73	.50	.005
59	75.0	13.20	14.87	7.25	7.62	5.62	8.98	4.298E-06	.002	.002	9.092E-10	9.95	.73	.50	.004
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	1.057E-03	.453	.418	4.713E-05	10.98	.79	.50	.467
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	6.449E-05	.028	.025	1.751E-07	10.99	.80	.50	.028
62															
63															
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	4.028E-06	.002	.002	6.842E-10	10.98	.79	.50	.002
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	3.598E-06	.002	.001	5.768E-10	10.98	.79	.50	.002
66	75.0	-3.44	15.24	7.62	-3.44	.36	6.47	1.107E-03	.489	.437	5.324E-05	10.74	.78	.50	.473
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	6.912E-05	.031	.027	2.075E-07	10.74	.78	.50	.030
68															
69															
70															
71															
72	75.0	0.00	15.24	7.62	0.00	.38	7.36	4.221E-07	.000	.000	7.997E-12	10.49	.76	.50	.000
73	75.0	0.00	15.24	7.62	0.00	1.19	7.36	7.551E-05	.034	.030	2.559E-07	10.49	.76	.50	.037
74															
75															
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	2.907E-06	.001	.001	3.793E-10	10.49	.76	.50	.001
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	6.497E-07	.000	.000	1.895E-11	10.49	.76	.50	.000
78	75.0	3.59	15.24	7.62	3.59	.38	8.29	8.591E-04	.417	.343	3.560E-05	10.20	.74	.50	.465
79	75.0	3.63	15.24	7.62	3.63	1.17	8.30	6.471E-05	.031	.025	1.979E-07	10.19	.74	.50	.035
80															
81															
82															
83	75.0	3.62	15.24	7.62	3.62	5.79	8.30	2.985E-06	.001	.001	4.212E-10	10.19	.74	.50	.002
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	6.451E-04	.328	.255	2.082E-05	9.85	.72	.50	.660
85	75.0	7.36	15.24	7.62	7.36	1.09	9.26	7.447E-05	.038	.029	2.776E-07	9.84	.72	.50	.076
86															
87															
88	75.0	7.33	15.24	7.62	7.33	5.03	9.26	6.415E-07	.000	.000	2.059E-11	9.85	.72	.50	.001
89	75.0	7.36	15.24	7.62	7.36	5.66	9.26	6.453E-07	.000	.000	2.091E-11	9.84	.72	.50	.001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

RSCM = 13.295
RF EGE = 7.828E-02
RL EGE = 8.05E-02
RE/METER = 3.167E+06
MU = 2.554E-00(N/M2- K)
TW = 302.6 (K)
STEP = 0.300(CM)

TT = 1.019E+03(K)
PI = 5.185 E+06(N/M2)
T1 = 4.807E+01(K)
P1 = 0.982 E+02(N/M2)
(RHO V)1 = 1.820E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =1.495 FOR MT/MO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	MT (KG/M2-S)	MT/MO	MT/MF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	MT/ME
9	60.0	-13.39	7.62	3.00	-7.62	5.70	-3.81	8.008E-06	.083	.083	2.611E-09	11.21	.81	.50	.083
10															
11															
12															
13	60.0	-9.33	7.62	3.00	-7.62	1.14	-3.81	7.209E-05	.030	.028	2.121E-07	11.21	.81	.50	.030
14	60.0	-8.72	7.62	0.00	-7.62	.33	-3.81	1.208E-03	.508	.477	5.954E-05	11.21	.81	.50	.510
15	60.0	-7.29	7.62	0.00	-7.29	0.00	-3.65	2.376E-03	.980	.939	2.295E-04	11.23	.81	.50	
16	60.0	-3.63	7.62	0.00	-3.63	0.00	-1.82	3.059E-03	1.230	1.213	3.719E-04	11.47	.82	.50	
17	60.0	3.30	7.62	3.30	0.00	3.00	0.00	2.317E-03	1.153	1.153	3.313E-04	11.56	.83	.50	
18	60.0	3.54	7.62	0.00	3.54	0.00	1.77	2.643E-03	1.059	1.044	2.757E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	0.00	3.63	1.708E-03	.788	.675	1.179E-04	11.32	.82	.50	
20	60.0	7.97	7.62	0.00	7.62	.41	3.81	7.194E-04	.296	.284	2.095E-05	11.29	.81	.50	.422
21	60.0	3.72	7.62	0.00	7.62	1.17	3.81	6.757E-05	.328	.027	1.849E-07	11.29	.81	.50	.040
22															
23															
24	60.0	12.62	7.62	0.00	7.62	5.07	3.81	4.939E-06	.002	.002	9.872E-10	11.29	.81	.50	.003
25	60.0	13.28	7.62	0.00	7.62	5.73	3.81	6.532E-06	.003	.003	1.781E-09	11.29	.81	.50	.004
26	60.0	-13.35	11.18	3.76	-7.62	5.70	-.55	6.981E-07	.000	.000	1.986E-11	11.54	.83	.50	.000
27															
28															
29															
30	60.0	-8.91	11.45	3.83	-7.62	1.16	-.49	5.862E-05	.023	.023	1.343E-07	11.55	.83	.50	.019
31	60.0	-7.97	11.49	3.87	-7.62	.33	-.46	1.524E-03	.604	.602	9.078E-05	11.55	.83	.50	.501
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	3.844E-03	1.286	1.283	3.618E-04	11.55	.83	.50	
33	60.0	-3.71	11.54	3.92	-3.71	0.00	1.54	3.203E-03	1.281	1.266	4.043E-04	11.52	.83	.50	
34	60.0	0.00	11.57	3.95	0.00	0.00	3.42	2.646E-03	1.081	1.045	2.817E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.406E-03	1.020	.951	2.417E-04	11.05	.80	.50	
36	60.0	7.28	11.36	3.74	7.28	0.00	6.88	1.530E-03	.686	.605	1.034E-04	10.63	.77	.50	
37	60.0	7.97	11.41	3.79	7.62	.37	7.09	6.858E-04	.309	.271	2.088E-05	10.57	.77	.50	.451
38	60.0	8.75	11.38	3.76	7.62	1.15	7.05	6.297E-05	.028	.025	1.762E-07	10.56	.77	.50	.041
39															
40															
41															
42	60.0	13.23	11.24	3.62	7.62	5.69	6.94	2.159E-06	.001	.001	2.364E-10	10.61	.77	.50	.001
43	60.0	-13.37	14.97	7.35	-7.62	5.70	2.55	9.113E-07	.000	.000	3.299E-11	11.45	.82	.50	.000
44	60.0	-12.57	14.95	7.33	-7.62	4.91	2.53	1.455E-06	.001	.001	8.410E-11	11.45	.82	.50	.001
45															
46															
47	60.0	-8.82	14.97	7.35	-7.62	1.16	2.55	6.554E-05	.026	.026	1.711E-07	11.45	.82	.50	.027

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CFHT TEST (92), MACH-E PSI GAPS, RUN (9) 1973 PAGE 6

CH	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	60.0	-7.99	14.88	7.26	-7.62	.33	2.48	1.202E-03	.484	.475	5.736E-05	11.46	.82	.58	.490
48	60.0	-7.30	14.89	7.27	-7.30	0.00	2.64	2.448E-03	.988	.967	2.383E-04	11.44	.82	.59	
50	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	2.363E-03	.986	.934	2.296E-04	11.18	.81	.58	
51	60.0	0.00	15.02	7.40	0.00	0.00	6.41	1.884E-03	.838	.744	1.568E-04	10.76	.78	.58	
52	60.0	3.58	14.97	7.35	3.58	0.00	8.16	1.544E-03	.735	.618	1.119E-04	10.24	.75	.58	
53	60.0	7.24	14.78	7.16	7.24	0.00	9.82	7.369E-04	.397	.299	2.963E-05	9.63	.71	.58	
54	60.0	7.69	14.88	7.26	7.62	.31	10.10	5.036E-04	.268	.199	1.332E-05	9.51	.70	.58	.676
55	60.0	8.69	14.92	7.30	7.62	1.11	10.13	8.981E-05	.048	.035	4.169E-07	9.50	.70	.58	.128
56															
57	60.0	11.29	14.88	7.26	7.62	3.78	10.18	1.798E-07	.000	.000	1.698E-12	9.51	.70	.58	.00
58	60.0	12.95	14.86	7.24	7.62	4.97	10.08	1.933E-06	.001	.001	1.961E-10	9.52	.70	.58	003
59	60.0	13.29	14.87	7.25	7.62	5.62	10.09	2.345E-06	.001	.001	2.806E-10	9.52	.70	.58	.003
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	1.138E-03	.462	.458	5.188E-05	11.48	.82	.58	.468
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	5.676E-05	.023	.022	1.287E-07	11.41	.82	.58	.023
62															
63															
64															
65															
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.101E-03	.464	.435	5.038E-05	11.11	.80	.58	.470
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	5.722E-05	.024	.023	1.358E-07	11.11	.80	.58	.024
68															
69															
70															
71	60.0	-3.43	15.24	7.62	-3.48	5.81	4.90	2.567E-06	.001	.001	2.733E-10	11.10	.80	.58	.001
72	60.0	0.00	15.24	7.62	0.00	.38	6.60	3.253E-06	.001	.001	4.625E-10	10.71	.78	.58	.002
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	6.199E-05	.027	.024	1.679E-07	10.71	.78	.58	.033
74															
75															
76	60.0	0.00	15.24	7.62	0.00	4.99	6.60	1.175E-06	.001	.000	6.829E-11	10.71	.78	.58	
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	2.142E-06	.001	.001	2.004E-10	10.71	.78	.58	.001
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	7.414E-04	.358	.293	2.616E-05	10.16	.74	.58	.487
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	7.755E-05	.038	.031	2.866E-07	10.15	.74	.58	.051
80															
81															
82															
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	5.509E-06	.003	.002	1.446E-09	10.16	.74	.58	.004
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	5.287E-04	.284	.289	1.481E-05	9.44	.70	.58	.716
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	7.071E-05	.038	.028	2.652E-07	9.44	.70	.58	.096
86															
87															
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	2.382E-06	.001	.001	3.087E-10	9.44	.70	.58	.003
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	1.241E-06	.001	.000	8.167E-11	9.44	.70	.58	.002

CENT TEST (32), [illegible]-E RSI GAPS, RUN (10) 1973

MACH = 10.299
RX E06 = 7.837E-02
RL E06 = 8.055E-02
RE/METER = 3.171E+06
HO = 2.554E+06 (N/M2-S)
TW = 303.5 (K)
STEP = 0.000 (CM)

TT = 1.819E+03 (K)
PT = 5.187 E+06 (N/M2)
T1 = 4.805E+01 (K)
P1 = 0.983E+02 (N/M2)
(RHO V)1 = 1.298E+01 (KG/M2-S)
GAP = .127 (CM)
CONF = STAR

TAW/TT = 0.895 FOR HT/HO

XSURF = SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES (GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.38	-7.62	5.70	-5.39	3.019E-06	.001	.001	3.967E-10	10.88	.79	.50	.001
10															
11															
12															
13	45.0	-8.83	7.62	0.38	-7.62	1.14	-5.39	5.116E-05	.023	.020	1.139E-07	10.88	.79	.50	.504
14	45.0	-8.02	7.62	0.00	-7.62	.33	-5.39	1.204E-03	.532	.476	6.309E-05	10.88	.79	.50	
15	45.0	-7.23	7.62	0.00	-7.29	0.00	-5.16	2.416E-03	1.057	.954	2.513E-04	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	2.817E-03	1.136	1.113	3.151E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.798E-03	1.105	1.105	3.047E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.522E-03	1.057	1.036	2.728E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	1.878E-03	.792	.739	1.458E-04	11.06	.80	.50	.393
20	45.0	7.97	7.62	0.00	7.62	.41	5.39	7.298E-04	.311	.288	2.238E-05	11.00	.80	.50	.029
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	5.323E-05	.023	.021	1.191E-07	11.00	.80	.50	
22															
23															
24															
25	45.0	13.29	7.62	0.00	7.62	5.73	5.39	1.620E-06	.001	.001	1.183E-10	11.00	.80	.50	.001
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	3.982E-07	.000	.000	8.318E-12	11.37	.82	.50	.000
27															
28															
29															
30	45.0	-8.87	11.45	3.83	-7.62	1.16	-2.68	5.517E-05	.023	.022	1.256E-07	11.37	.82	.50	.019
31	45.0	-7.37	11.49	3.87	-7.62	.33	-2.65	1.568E-03	.689	.596	9.044E-05	11.38	.82	.50	.501
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	3.021E-03	1.217	1.194	3.628E-04	11.48	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.251E-03	1.298	1.288	4.142E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.462E-03	.996	.973	2.415E-04	11.42	.82	.50	
35	45.0	3.53	11.51	3.89	3.53	0.00	5.29	2.371E-03	1.009	.937	2.355E-04	11.02	.80	.50	
36	45.0	7.28	11.36	3.74	7.28	0.00	7.79	1.449E-03	.674	.572	9.617E-05	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	6.513E-04	.300	.257	1.978E-05	10.27	.75	.50	.457
38	45.0	8.75	11.36	3.74	7.62	1.15	8.03	4.185E-05	.020	.017	8.168E-08	10.28	.75	.50	.029
39															
40															
41															
42	45.0	13.28	11.24	3.62	7.62	5.68	7.95	2.463E-06	.001	.001	2.808E-10	10.31	.75	.50	.002
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	1.709E-06	.001	.001	1.138E-10	11.55	.83	.50	.001
44															
45															
46															
47	45.0	-8.92	14.97	7.35	-7.62	1.16	-.19	5.350E-05	.021	.021	1.120E-07	11.55	.83	.50	.022

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E RSI GAPS, RUN (10) 1973 PAGE 8

CH	GAMMA (DEG)	YSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	45.0	-7.39	14.88	7.26	-7.62	.33	-.25	1.202E-03	.476	.475	5.637E-05	11.55	.83	.50	.486
49	45.0	-7.38	14.89	7.27	-7.38	0.00	-.02	2.478E-03	.979	.979	2.389E-04	11.56	.83	.50	
50	45.0	-3.69	14.95	7.33	-3.69	0.00	2.58	2.247E-03	.906	.888	2.985E-04	11.45	.82	.50	
51	45.0	0.00	15.02	7.40	0.00	0.00	5.23	1.753E-03	.745	.693	1.286E-04	11.04	.80	.50	
52	45.0	3.69	14.97	7.35	3.68	0.00	7.73	1.361E-03	.631	.538	8.462E-05	10.38	.76	.50	
53	45.0	7.24	14.78	7.16	7.24	0.00	10.18	7.238E-04	.387	.286	2.757E-05	9.48	.70	.50	
54	45.0	7.49	14.88	7.26	7.62	.31	10.52	4.672E-04	.255	.185	1.173E-05	9.33	.69	.50	.658
55	45.0	8.69	14.92	7.30	7.62	1.11	10.55	7.041E-05	.038	.028	2.667E-07	9.32	.69	.50	.099
56															
57															
58															
59	45.0	13.23	14.97	7.25	7.62	5.62	10.52	2.532E-06	.001	.001	3.443E-10	9.33	.69	.50	.004
60	45.0	-7.14	15.24	7.62	-7.14	.27	.34	1.132E-03	.449	.447	5.003E-05	11.56	.83	.50	.458
61	45.0	-7.35	15.24	7.62	-7.35	1.17	.19	5.000E-05	.020	.020	9.744E-08	11.56	.83	.50	.020
62															
63															
64															
65															
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.043E-03	.423	.412	4.346E-05	11.41	.82	.50	.467
67	45.0	-3.44	15.24	7.62	-3.44	1.19	2.95	4.663E-05	.019	.018	8.686E-08	11.41	.82	.50	.021
68															
69															
70	45.0	-3.46	15.24	7.62	-3.46	5.04	2.94	3.308E-06	.001	.001	4.378E-10	11.41	.82	.50	.001
71															
72															
73	45.0	0.00	15.24	7.62	0.00	1.15	5.39	6.560E-05	.028	.026	1.809E-07	11.00	.80	.50	.038
74															
75															
76															
77	45.0	3.70	15.24	7.62	3.70	5.74	5.39	3.058E-06	.001	.001	3.931E-10	11.00	.80	.50	.002
78	45.0	3.59	15.24	7.62	3.59	.38	7.93	6.581E-04	.309	.260	2.002E-05	10.32	.75	.50	.489
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	7.283E-05	.034	.029	2.456E-07	10.31	.75	.50	.054
80															
81															
82															
83	45.0	3.62	15.24	7.62	3.62	5.79	7.95	4.850E-06	.002	.002	1.088E-09	10.31	.75	.50	.004
84	45.0	7.33	15.24	7.62	7.33	.31	10.57	4.841E-04	.265	.191	1.262E-05	9.31	.69	.50	.684
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	6.383E-05	.035	.025	2.197E-07	9.30	.69	.50	.090
86															
87															
88	45.0	7.33	15.24	7.62	7.33	5.03	10.57	4.796E-07	.000	.000	1.239E-11	9.31	.69	.50	.001
89															

217

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH = 10.290 TT = 1.321E+03(K)
PX E06 = 3.202E-01 PI = 5.184E+06(N/M2)
PL E06 = 8.036E-02 T1 = 4.819E+01(K)
RE/METER = 3.152E+06 P1 = 0.982E+02(N/M2)
HC = 2.554E+00(W/M2- K) (RHO V)1 = 1.018E+01(KG/M2-S)
TW = 304.6 (K) GAP = .127 (CM)
STEP = 9.000(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO

XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES|GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.79	-7.62	4.572E-06	.002	.002	1.060E-09	10.24	.74	.58	.002
10															
11															
12															
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	4.671E-05	.023	.018	1.860E-07	10.24	.74	.58	.025
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	9.262E-04	.453	.364	4.112E-05	10.24	.74	.58	.485
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	1.928E-03	.933	.762	1.777E-04	10.35	.75	.58	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	2.817E-03	1.162	1.113	3.233E-04	11.24	.81	.58	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.313E-03	1.151	1.151	3.309E-04	11.56	.83	.58	
19	0.0	0.00	7.62	0.00	3.54	0.00	3.54	2.809E-03	1.150	1.118	3.189E-04	11.33	.82	.58	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	2.324E-03	1.056	.918	2.423E-04	10.52	.77	.58	
20	0.0	0.00	7.62	0.00	7.62	.41	7.62	9.728E-04	.448	.384	4.301E-05	10.41	.76	.58	.424
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	5.589E-05	.026	.022	1.420E-07	10.41	.76	.58	.024
22															
23															
24															
25															
26															
27															
28															
29															
30	0.0	-3.83	3.79	-3.83	-7.62	1.15	-7.62	4.797E-05	.024	.019	1.118E-07	10.24	.74	.58	.023
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.046E-03	.515	.413	5.316E-05	10.24	.74	.58	.508
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	2.097E-03	1.813	.829	2.897E-04	10.36	.75	.58	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	2.886E-03	1.193	1.140	3.398E-04	11.22	.81	.58	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	2.926E-03	1.156	1.156	3.340E-04	11.56	.83	.58	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	2.838E-03	1.162	1.121	3.257E-04	11.32	.82	.58	
36	0.0	-3.74	3.89	-3.74	7.28	0.00	7.28	2.292E-03	1.042	.906	2.358E-04	10.52	.77	.58	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.879E-03	.497	.426	5.294E-05	10.41	.76	.58	.477
38	0.0	-3.74	3.99	-3.74	7.62	1.15	7.62	4.225E-05	.019	.017	8.112E-08	10.41	.76	.58	.019
39															
40															
41															
42															
43															
44															
45															
46															
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	5.574E-05	.028	.022	1.564E-07	10.24	.74	.58	.032
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	8.758E-04	.431	.346	3.725E-05	10.24	.74	.58	.491

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CFHT TEST (92), MDAC-E RSI GAPS, RUN (11) 1973 PAGE 238

CM	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	0.0	-7.27	.35	-7.27	-7.30	0.00	-7.30	1.811E-03	.877	.716	1.560E-04	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	0.00	-3.69	2.194E-03	.906	.867	1.963E-04	11.23	.81	.50	
51	0.0	-7.48	.22	-7.48	0.00	0.00	0.00	2.150E-03	.890	.850	1.884E-04	11.56	.83	.50	
52	0.0	-7.58	.04	-7.58	3.58	0.00	3.58	2.001E-03	.852	.822	1.751E-04	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	1.636E-03	.743	.648	1.280E-04	10.53	.77	.50	
54	0.0	-7.25	.36	-7.26	7.62	.31	7.62	9.455E-04	.436	.374	4.071E-05	10.41	.76	.50	.506
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	7.985E-05	.038	.031	2.840E-07	10.41	.76	.50	.049
56															
57															
58															
59															
60	0.0	-7.95	0.00	-7.62	-7.14	.27	-7.14	9.784E-04	.466	.383	4.468E-05	10.39	.75	.50	.532
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	3.089E-05	.015	.012	4.572E-08	10.33	.75	.50	.017
62															
63															
64															
65															
66	0.0	-7.98	0.00	-7.62	-3.44	.36	-3.44	1.866E-03	.438	.421	4.610E-05	11.27	.81	.50	.483
67	0.0	-8.81	0.00	-7.62	-3.44	1.19	-3.44	2.759E-05	.011	.011	3.089E-08	11.27	.81	.50	.013
68															
69															
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	1.189E-06	.000	.000	5.739E-11	11.26	.81	.50	.001
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	4.634E-06	.002	.002	8.704E-10	11.27	.81	.50	.002
72	0.0	-8.07	0.00	-7.62	0.00	.38	0.00	7.271E-06	.003	.003	2.862E-09	11.56	.83	.50	.003
73	0.0	-8.85	0.00	-7.62	0.00	1.15	0.00	6.825E-05	.024	.024	1.416E-07	11.56	.83	.50	.026
74															
75															
76															
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	3.382E-06	.001	.001	4.461E-10	11.56	.83	.50	.002
78	0.0	-8.04	0.00	-7.62	3.59	.38	3.59	9.265E-04	.379	.366	3.471E-05	11.32	.82	.50	.445
79	0.0	-8.82	0.00	-7.62	3.63	1.17	3.63	6.597E-05	.027	.026	1.815E-07	11.32	.82	.50	.032
80															
81															
82															
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	8.031E-06	.003	.003	2.609E-09	11.32	.82	.50	.004
84	0.0	-7.81	0.00	-7.62	7.33	.31	7.33	1.048E-03	.478	.414	4.942E-05	10.50	.76	.50	.643
85	0.0	-8.59	0.00	-7.62	7.36	1.09	7.36	5.826E-05	.027	.023	1.528E-07	10.49	.76	.50	.036
86															
87															
88															
89	0.0	-13.16	0.00	-7.62	7.35	5.66	7.35	3.533E-06	.002	.001	5.620E-10	10.50	.76	.50	.002

McDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (12) 1973

MACH = 10.290
PX E06 = 3.186E-01
PL E06 = 7.966E-02
RE/METER = 3.136E+06
HC = 2.554E+08(M/M2- K)
TW = 305.1 (K)
STEP = 0.001(CM)

TT = 1.024E+03(K)
PI = 5.184E+06(N/M2)
TI = 4.832E+01(K)
PI = 0.981E+02(N/M2)
(RHO V)I = 1.016E+01(KG/M2-S)
GAP = .127 (CM)
CONF = IN-1

TAW/TT = 0.895 FOR HT/HO
YSURF = SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	3.045E-06	.881	.881	4.497E-10	10.26	.75	.50	.882
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	1.842E-06	.881	.881	1.645E-10	10.26	.75	.50	.881
11															
12															
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	4.554E-05	.822	.818	1.886E-07	10.26	.75	.50	.824
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	9.285E-04	.455	.367	4.102E-05	10.26	.75	.50	.483
15	7.5	0.00	7.62	3.00	-7.29	0.00	-7.23	1.954E-03	.943	.772	1.823E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.68	2.015E-03	1.161	1.112	3.231E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	2.908E-03	1.149	1.149	3.304E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	2.824E-03	1.155	1.116	3.226E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.28	2.211E-03	1.003	.874	2.192E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	9.018E-04	.414	.356	3.694E-05	10.43	.76	.50	.413
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	5.276E-05	.824	.821	1.264E-07	10.43	.76	.50	.824
22															
23															
24															
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	8.746E-06	.004	.003	3.442E-09	10.43	.76	.50	.884
26															
27	7.5	-3.80	3.82	-3.80	-7.62	5.04	-8.05	1.499E-07	.000	.000	1.121E-12	10.89	.73	.50	.000
28															
29															
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	4.731E-05	.824	.819	1.117E-07	10.09	.73	.50	.824
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.036E-03	.523	.409	5.362E-05	10.09	.73	.50	.519
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	2.043E-03	1.089	.807	2.038E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-3.71	0.00	-4.19	2.790E-03	1.173	1.182	3.238E-04	11.14	.80	.50	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	2.927E-03	1.161	1.156	3.361E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.05	2.949E-03	1.190	1.165	3.495E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	2.281E-03	1.016	.901	2.293E-04	10.68	.78	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	9.820E-04	.443	.388	4.302E-05	10.58	.77	.50	.436
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	3.528E-05	.816	.814	5.554E-08	10.58	.77	.50	.816
39															
40															
41	7.5	-3.67	3.95	-3.67	7.62	5.04	7.08	8.581E-06	.004	.003	3.364E-09	10.58	.77	.50	.804
42															
43	7.5	-7.35	.27	-7.35	-7.62	5.70	-8.51	4.046E-07	.000	.000	8.390E-12	9.92	.72	.50	.000
44															
45															
46															
47	7.5	-7.35	.27	-7.35	-7.62	1.15	-8.51	5.803E-05	.030	.023	1.726E-07	9.92	.72	.50	.037
48	7.5	-7.28	.36	-7.28	-7.62	.33	-8.50	7.784E-04	.403	.308	3.103E-05	9.93	.72	.50	.499

RSI GAP HEATING ANALYSIS
FINAL REPORT VOLUME II
REPORT MDC E1003 29 JANUARY 1974
MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

PAGE 240

CFHT TEST (92), MTAC-E RSI GAPS, RUN (12) 1973

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (BTU/FT2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	MT/ME
49	7.5	-7.27	.35	-7.27	-7.30	0.00	-8.19	1.589E-03	.000	.620	1.270E-04	10.04	.73	.50	
50	7.5	-7.33	.29	-7.33	-3.69	0.00	-4.61	2.092E-03	.095	.827	1.852E-04	11.05	.80	.50	
51	7.5	-7.40	.22	-7.40	0.00	0.00	-.97	2.152E-03	.057	.850	1.923E-04	11.53	.83	.50	
52	7.5	-7.49	.04	-7.50	3.50	0.00	2.56	2.235E-03	.081	.883	1.993E-04	11.45	.82	.50	
53	7.5	-7.16	.46	-7.16	7.24	0.00	6.25	1.783E-03	.746	.673	1.257E-04	10.80	.76	.50	.275
54	7.5	-7.26	.36	-7.26	7.62	.31	6.61	9.477E-04	.429	.382	6.189E-05	10.71	.79	.50	.845
55	7.5	-7.30	.32	-7.30	7.62	1.11	6.60	7.591E-05	.034	.030	2.520E-07	10.71	.76	.50	
56															
57															
58	7.5	-7.24	.38	-7.24	7.62	4.97	6.61	2.164E-06	.001	.001	2.855E-10	10.71	.78	.50	.001
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	7.524E-06	.003	.003	2.551E-09	10.71	.76	.50	.005
60	7.5	-7.45	0.00	-7.62	-7.14	.27	-8.00	8.494E-06	.429	.336	3.606E-05	10.08	.73	.50	.531
61	7.5	-8.75	0.00	-7.62	-7.35	1.17	-8.28	3.519E-05	.019	.014	6.621E-08	10.01	.73	.53	.023
62															
63															
64	7.5	-12.63	0.00	-7.62	-7.14	5.62	-8.07	9.081E-07	.000	.000	4.123E-11	10.08	.73	.53	.001
65	7.5	-13.29	0.00	-7.62	-7.14	5.63	-8.07	7.295E-06	.004	.003	2.652E-09	10.08	.73	.50	.005
66	7.5	-7.39	0.00	-7.62	-3.44	.36	-4.41	1.016E-03	.431	.401	4.332E-05	11.09	.80	.53	.082
67	7.5	-8.91	0.00	-7.62	-3.44	1.19	-4.41	2.852E-05	.012	.011	3.413E-08	11.09	.80	.50	.014
68															
69															
70	7.5	-12.65	0.00	-7.62	-3.46	5.04	-4.43	2.295E-06	.001	.001	2.212E-10	11.09	.80	.50	.001
71	7.5	-13.42	0.00	-7.62	-3.46	5.81	-4.37	8.332E-06	.004	.004	3.649E-09	11.13	.83	.53	.004
72															
73	7.5	-8.85	0.00	-7.62	3.30	1.15	-.99	6.911E-05	.028	.027	1.081E-07	11.52	.83	.53	.032
74															
75															
76	7.5	-12.69	0.00	-7.62	3.30	4.99	-.39	5.479E-06	.002	.002	1.182E-09	11.52	.83	.50	.003
77	7.5	-13.47	0.00	-7.62	3.53	5.74	-.99	1.356E-07	.030	.030	9.954E-13	11.52	.83	.53	.039
78	7.5	-8.44	0.00	-7.62	3.57	.38	2.57	9.866E-04	.398	.331	3.982E-05	11.45	.82	.53	.441
79	7.5	-13.82	0.00	-7.62	3.63	1.17	2.60	7.342E-05	.033	.029	2.175E-07	11.44	.82	.53	.033
80															
81															
82															
83	7.5	-17.44	0.00	-7.62	3.62	5.79	2.59	6.372E-06	.003	.003	1.723E-09	11.44	.82	.50	.003
84															
85	7.5	-7.8	0.00	-7.62	7.31	.31	6.27	1.377E-03	.472	.426	5.323E-05	10.40	.76	.53	.633
86	7.5	-8.1	0.00	-7.62	7.36	1.09	6.30	5.612E-05	.026	.022	1.367E-07	10.79	.79	.53	.033
87															
88															
89	7.5	-14.6	0.00	-7.62	7.33	5.03	6.27	1.377E-07	.030	.030	5.326E-13	10.80	.76	.53	.003
90															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (92), M78C-F RSI GAPS, RUN (13) 1973 PAGE 241

MACH = 10.290 TT = 1.026E+03(K)
PX E06 = 3.174E-01 PI = 5.183E+05(N/M2)
RL E06 = 7.936E-02 TI = 4.842E+01(K)
REYNETFN = 3.124E+06 PI = 0.981E+02(N/M2)
HC = 2.554E+00(W/M2- K) (RHO V)1 = 1.014E+01(KG/M2-S)
TW = 305.5 (K) GAP = .127 (CM)
STEP = 0.000(CM) CONF =IN-L

TAW/TI =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HF (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	7.131E-06	.003	.003	2.446E-09	10.32	.75	.50	.003
10															
11															
12															
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	4.825E-05	.023	.019	1.128E-07	10.32	.75	.50	.021
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	1.106E-03	.537	.437	5.886E-05	10.32	.75	.50	.481
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	2.337E-03	1.117	.923	2.586E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	2.809E-03	1.156	1.110	3.216E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	2.953E-03	1.128	1.128	3.187E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	2.794E-03	1.141	1.104	3.159E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.128E-03	.958	.841	2.020E-04	10.59	.77	.50	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	8.766E-04	.397	.344	3.424E-05	10.49	.76	.50	.414
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	6.884E-05	.031	.027	2.140E-07	10.49	.76	.50	.033
22															
23															
24															
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	7.239E-06	.003	.003	2.367E-09	10.49	.76	.50	.003
26	15.0	-3.75	3.86	-3.76	-7.62	5.70	-8.33	6.537E-07	.000	.000	2.171E-11	9.99	.73	.50	.000
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	6.536E-07	.000	.000	3.704E-11	9.98	.73	.50	.000
28															
29															
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	4.149E-05	.021	.016	8.754E-08	9.98	.73	.50	.028
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	1.102E-03	.566	.436	6.183E-05	9.98	.73	.50	.536
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	2.103E-03	1.056	.831	2.200E-04	10.12	.74	.50	
33	15.0	-3.92	3.71	-3.92	-3.71	0.00	-4.60	2.580E-03	1.146	1.059	3.041E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	2.899E-03	1.155	1.145	3.315E-04	11.52	.83	.50	
35	15.0	-3.99	3.63	-3.99	3.59	0.00	2.46	3.027E-03	1.219	1.196	3.656E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.29	0.00	6.06	2.317E-03	1.009	.915	2.316E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	9.737E-04	.428	.385	4.131E-05	10.77	.78	.50	.424
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	3.944E-05	.017	.016	6.782E-08	10.76	.78	.50	.017
39															
40															
41															
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	1.014E-06	.000	.000	4.483E-11	10.76	.78	.50	.000
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	3.275E-06	.002	.001	5.737E-10	9.63	.71	.50	.002
44															
45															
46															
47	15.0	-7.35	.27	-7.35	-7.62	1.15	-9.26	5.368E-05	.029	.021	1.541E-07	9.63	.71	.50	.040
48	15.0	-7.26	.36	-7.26	-7.62	.33	-9.24	6.591E-04	.361	.264	2.392E-05	9.64	.71	.50	.502

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

HEAT TEST (92), MRAC-E RSI GAPS, RUN (13) 1973 PAGE 242

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	1.354E-03	.718	.535	9.635E-05	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	1.989E-03	.882	.786	1.737E-04	10.86	.79	.50	
51	15.0	-7.49	.22	-7.49	0.00	0.00	-1.92	2.136E-03	.854	.842	1.802E-04	11.46	.82	.50	
52	15.0	-7.59	.84	-7.58	3.59	0.00	1.50	2.336E-03	.934	.923	2.160E-04	11.53	.83	.50	
53	15.0	-7.15	.46	-7.16	7.24	0.00	5.14	1.823E-03	.772	.720	1.395E-04	11.06	.80	.50	
54	15.0	-7.26	.36	-7.26	7.62	.31	5.48	1.822E-03	.437	.404	4.427E-05	10.98	.79	.50	.566
55	15.0	-7.37	.32	-7.38	7.62	1.11	5.47	7.762E-05	.033	.031	2.553E-07	10.99	.79	.50	.043
56															
57															
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	4.262E-06	.002	.002	7.702E-10	10.98	.79	.50	.002
59															
60	15.0	-7.85	0.00	-7.62	-7.14	.27	-8.87	7.285E-04	.395	.288	2.779E-05	9.79	.72	.50	.536
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.87	3.306E-05	.018	.013	5.784E-08	9.71	.71	.50	.025
62															
63															
64	15.0	-12.60	0.00	-7.62	-7.14	5.02	-8.87	6.305E-08	.000	.000	2.215E-13	9.79	.72	.50	.000
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	9.254E-06	.005	.004	4.483E-09	9.79	.72	.50	.007
66	15.0	-7.39	0.00	-7.62	-3.44	.36	-5.30	9.724E-04	.428	.384	4.123E-05	10.90	.79	.50	.485
67	15.0	-8.81	0.00	-7.62	-3.44	1.19	-5.30	3.708E-05	.016	.015	5.978E-08	10.90	.79	.50	.018
68															
69															
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	3.112E-07	.000	.000	4.227E-12	10.90	.79	.50	.000
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	8.896E-06	.004	.004	3.444E-09	10.91	.79	.50	.004
72	15.0	-8.37	0.00	-7.62	0.00	.38	-1.97	2.559E-07	.000	.000	2.602E-12	11.45	.82	.50	.000
73	15.0	-8.85	0.00	-7.62	0.00	1.15	-1.97	6.548E-05	.026	.026	1.784E-07	11.45	.82	.50	.031
74															
75															
76															
77	15.0	-13.43	0.00	-7.62	0.00	5.79	-1.97	1.727E-06	.001	.001	1.185E-10	11.45	.82	.50	.001
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.50	1.023E-03	.409	.404	4.141E-05	11.53	.83	.50	.438
79	15.0	-8.82	0.00	-7.62	3.63	1.17	1.53	6.367E-05	.025	.025	1.575E-07	11.52	.83	.50	.027
90															
91															
92															
93	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	1.139E-05	.005	.004	5.136E-09	11.53	.83	.50	.005
94	15.0	-7.90	0.00	-7.62	7.33	.31	5.11	1.160E-03	.491	.458	5.638E-05	11.06	.80	.50	.635
95	15.0	-8.58	0.00	-7.62	7.36	1.09	5.14	6.321E-05	.027	.025	1.676E-07	11.06	.80	.50	.035
96															
97															
98															
99	15.0	-13.16	0.00	-7.62	7.35	5.66	5.13	1.184E-05	.005	.004	4.929E-09	11.06	.80	.50	.006

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CFHT TEST (32). MDAC-E RSI GAPS, RUN (14) 1973 PAGE 93

MACH = 10.298
PX E06 = 5.564E-01
PL E06 = 7.917E-02
PE/METER = 3.117E+05
HC = 2.594E+00(W/M2- K)
TW = 296.1 (K)
STEP = 0.0001(M)

TT = 1.025E+03(K)
PI = 5.165 E+06(N/M2)
TI = 4.939E+01(K)
PI = 0.977 E+02(N/M2)
(RHO V)I = 1.011E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 CP 90 DEG)

TILE COORDINATES|GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.70	0.00	3.363E-06	.001	.001	4.439E-10	11.56	.83	.50	.002
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	4.781E-06	.002	.002	8.974E-10	11.56	.83	.50	.003
11	90.0	11.34	7.62	0.00	7.62	3.74	0.00	1.295E-05	.005	.005	6.585E-09	11.56	.83	.50	.008
12															
13	90.0	8.43	7.62	0.00	7.62	1.14	0.00	1.291E-04	.051	.051	6.543E-07	11.56	.83	.50	.083
14	90.0	8.32	7.62	0.00	7.62	.33	0.00	6.977E-04	.276	.276	1.911E-05	11.56	.83	.50	.448
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.556E-03	.615	.615	9.508E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	3.016E-03	1.192	1.192	3.572E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.208E-03	1.264	1.264	4.019E-04	11.56	.83	.50	
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	3.335E-03	1.319	1.318	4.365E-04	11.56	.83	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	2.959E-03	1.169	1.169	3.438E-04	11.56	.83	.50	
20	90.0	-7.97	7.62	0.30	-7.62	.41	0.00	1.342E-03	.530	.530	7.868E-05	11.56	.83	.50	.453
21	90.0	-9.72	7.62	0.30	-7.62	1.17	0.00	1.242E-04	.049	.049	6.060E-07	11.56	.83	.50	.042
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	1.352E-05	.006	.006	9.458E-09	11.56	.83	.50	.005
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	9.483E-06	.004	.004	3.538E-09	11.56	.83	.50	.003
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	2.798E-07	.000	.000	3.873E-12	11.56	.83	.50	.000
25	90.0	-13.29	7.62	0.00	-7.62	5.73	0.00	3.106E-06	.001	.001	3.787E-10	11.56	.83	.50	.001
26	90.0	13.35	3.86	-3.76	7.62	5.70	-3.76	5.070E-06	.002	.002	1.056E-09	11.21	.81	.50	.003
27															
28	90.0	11.35	3.86	-3.76	7.62	3.72	-3.76	4.692E-06	.002	.002	9.040E-10	11.21	.81	.50	.003
29															
31	33.2	9.97	3.79	-3.83	7.62	1.16	-3.83	1.141E-04	.047	.045	5.365E-07	11.20	.81	.50	.064
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	8.144E-04	.338	.322	2.735E-05	11.20	.81	.50	.468
32	90.0	7.24	3.83	-3.79	7.24	0.00	-3.79	1.775E-03	.735	.702	1.296E-04	11.21	.81	.50	
33	90.0	3.71	3.79	-3.92	3.71	0.00	-3.92	2.879E-03	1.198	1.138	3.426E-04	11.19	.81	.50	
34	90.0	0.33	3.67	-3.95	0.00	0.00	-3.95	3.056E-03	1.252	1.188	3.740E-04	11.18	.81	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.99	3.253E-03	1.356	1.289	4.394E-04	11.19	.81	.50	
36	90.0	-7.28	3.88	-3.74	-7.28	0.00	-3.74	2.854E-03	1.180	1.128	3.347E-04	11.22	.81	.50	
37	90.0	-7.37	3.83	-3.79	-7.62	.37	-3.79	1.234E-03	.511	.488	6.265E-05	11.21	.81	.50	.433
38	90.0	-9.75	3.88	-3.74	-7.62	1.15	-3.74	6.697E-05	.028	.026	1.842E-07	11.22	.81	.50	.023
39	90.0	-9.95	3.82	-3.80	-7.62	2.35	-3.80	9.564E-07	.000	.000	3.841E-11	11.21	.81	.50	.000
40	90.0	-11.22	3.82	-3.80	-7.62	3.62	-3.80	1.867E-06	.001	.001	1.434E-10	11.21	.81	.50	.001
41	90.0	-12.64	3.95	-3.67	-7.62	5.04	-3.67	3.759E-06	.002	.001	5.795E-10	11.23	.81	.50	.001
42															
43															
44															
45	90.0	11.39	.31	-7.32	7.62	3.72	-7.32	7.773E-06	.004	.003	2.909E-09	10.34	.75	.50	.005
46	90.0	10.83	.26	-7.36	7.62	2.37	-7.36	8.987E-05	.004	.004	3.813E-07	10.33	.75	.50	.006

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

HEAT TEST (92), MDAC-E RSI GAPS, RUN (14) 1973 PAGE 94

TH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	90.0	8.82	.27	-7.35	7.62	1.16	-7.35	9.528E-05	.047	.038	4.470E-07	10.33	.75	.50	.062
48	90.0	7.39	.36	-7.26	7.62	.33	-7.26	7.134E-04	.345	.282	2.444E-05	10.36	.75	.50	.457
49	90.0	7.33	.35	-7.27	7.30	3.03	-7.27	1.552E-03	.755	.617	1.172E-04	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	2.518E-03	1.221	.995	3.054E-04	10.33	.75	.50	
51	90.0	[illegible]	.22	-7.40	0.00	0.00	-7.40	2.462E-03	1.198	.973	2.931E-04	10.31	.75	.50	
52	90.0	-3.59	.27	-7.35	-3.58	0.00	-7.35	2.353E-03	1.142	.930	2.670E-04	10.33	.75	.50	
53	90.0	-7.24	.46	-7.15	-7.24	0.00	-7.16	1.866E-03	.897	.737	1.663E-04	10.39	.75	.50	
54	90.0	-7.33	.36	-7.26	-7.62	.31	-7.26	1.378E-03	.521	.426	5.576E-05	10.36	.75	.50	.581
55	90.0	-8.63	.32	-7.30	-7.62	1.11	-7.30	7.523E-05	.036	.036	2.722E-07	10.34	.75	.50	.041
56	90.0	-9.93	.37	-7.25	-7.62	2.32	-7.25	1.167E-06	.001	.000	5.887E-11	10.36	.75	.50	.001
57	90.0	-11.28	.36	-7.26	-7.62	3.70	-7.26	4.545E-06	.002	.002	1.036E-09	10.36	.75	.50	.003
58	90.0	-12.55	.38	-7.24	-7.62	4.97	-7.24	5.886E-06	.003	.002	1.662E-09	10.36	.75	.50	.003
59	90.0	-13.24	.37	-7.25	-7.62	5.62	-7.25	5.573E-06	.003	.002	1.491E-09	10.36	.75	.50	.003
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	7.392E-04	.364	.292	2.671E-05	10.24	.74	.50	.482
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	8.556E-05	.042	.034	3.578E-07	10.24	.74	.50	.056
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	6.502E-06	.003	.003	2.066E-09	10.24	.74	.50	.004
63	90.0	7.19	0.00	-7.62	7.19	3.71	-7.62	2.006E-06	.001	.001	1.955E-10	10.24	.74	.50	.001
64															
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	2.147E-06	.001	.001	2.253E-10	10.24	.74	.50	.001
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	1.225E-03	.502	.484	7.329E-05	10.24	.74	.50	.493
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	9.735E-05	.048	.038	4.633E-07	10.24	.74	.50	.039
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	5.021E-06	.002	.002	1.232E-09	10.24	.74	.50	.002
69	90.0	3.53	0.00	-7.62	3.53	3.74	-7.62	7.306E-07	.000	.000	2.613E-11	10.24	.74	.50	.000
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	4.157E-14	.000	.000	8.484E-25	10.24	.74	.50	.000
71															
72															
73	90.0	[illegible]	0.00	-7.62	[illegible]	1.15	-7.62	8.940E-05	.044	.035	3.906E-07	10.24	.74	.50	.037
74															
75															
76															
77															
78	90.0	[illegible]	0.00	-7.62	-3.59	.39	-7.62	1.036E-03	.510	.409	5.244E-05	10.24	.74	.50	.446
79	90.0	[illegible]	0.00	-7.62	-7.63	1.17	-7.62	9.308E-05	.044	.035	3.966E-07	10.24	.74	.50	.039
80															
81	90.0	-7.57	0.00	-7.62	-7.58	3.76	-7.62	6.527E-06	.003	.003	2.147E-09	10.24	.74	.50	.003
82															
83															
84	90.0	[illegible]	0.00	-7.62	-7.37	.31	-7.62	1.080E-03	.531	.427	5.696E-05	10.24	.74	.50	.592
85	90.0	[illegible]	0.00	-7.62	-7.36	1.09	-7.62	6.731E-05	.033	.027	2.214E-07	10.24	.74	.50	.037
86															
87	90.0	-7.37	0.00	-7.62	-7.37	3.74	-7.62	5.092E-07	.000	.000	1.267E-11	10.24	.74	.50	.000
88	90.0	[illegible]	0.00	-7.62	-7.37	5.03	-7.62	3.738E-06	.002	.001	5.823E-10	10.24	.74	.50	.002
89															

3.4- 29

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PV EDGE = 5.765E-01
PL EDGE = 8.204E-02
REYNOLDS = 3.233E+06
HO = 2.554E+09 (N/M2- K)
TW = 297.2 (K)
STEP = 0.003 (CM)

TT = 1.007E+03 (K)
PI = 5.163E+06 (N/M2)
T1 = 4.744E+01 (K)
P1 = 0.980E+02 (N/M2)
(RHO V)1 = 1.024E+01 (KG/M2-S)
GAP = .229 (CM)
CONF = STAG

TAW/TT = 0.89F FOR HT/HO
YSURF = SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	92.5	13.39	7.62	0.00	7.62	5.70	.99	6.835E-06	.004	.003	3.851E-09	11.55	.03	.50	.006
10	92.5	12.72	7.62	0.00	7.62	5.03	.99	3.515E-06	.001	.001	4.829E-10	11.55	.03	.50	.002
11															
12	92.5	11.35	7.62	0.00	7.62	2.36	.99	4.362E-06	.002	.002	7.435E-10	11.55	.03	.50	.003
13	92.5	9.43	7.62	0.00	7.62	1.14	.99	1.247E-04	.050	.049	6.072E-07	11.55	.03	.50	.082
14	92.5	8.32	7.62	0.00	7.62	.33	.99	6.514E-04	.259	.257	1.658E-05	11.55	.03	.50	.429
15	92.5	7.29	7.62	0.00	7.29	0.00	.95	1.518E-03	.604	.600	8.999E-05	11.55	.03	.50	
16	82.5	3.63	7.62	0.00	3.63	0.00	.47	2.949E-03	1.170	1.165	3.386E-04	11.56	.03	.50	
17	92.5	1.00	7.62	0.00	0.00	0.00	0.00	3.149E-03	1.244	1.244	3.846E-04	11.56	.03	.50	
18	92.5	-3.54	7.62	0.00	-3.54	0.00	-.46	3.278E-03	1.300	1.295	4.183E-04	11.55	.03	.50	
19	92.5	-7.27	7.62	0.00	-7.27	0.00	-.95	2.954E-03	1.180	1.171	3.432E-04	11.53	.03	.50	
20	92.5	-7.97	7.62	0.00	-7.62	.41	-.99	1.327E-03	.528	.524	6.878E-05	11.52	.03	.50	.448
21	92.5	-9.72	7.62	0.00	-7.62	1.17	-.99	1.136E-04	.045	.045	5.044E-07	11.52	.03	.50	.038
22	92.5	-9.94	7.62	0.00	-7.62	2.39	-.99	8.851E-06	.004	.003	3.062E-09	11.52	.03	.50	.003
23	92.5	-11.25	7.62	0.00	-7.62	3.70	-.99	1.218E-06	.000	.000	5.795E-11	11.52	.03	.50	.001
24	82.5	-12.62	7.62	0.00	-7.62	5.07	-.99	3.985E-06	.002	.002	6.207E-10	11.52	.03	.50	.003
25	92.5	-13.28	7.62	0.00	-7.62	5.73	-.99	7.580E-06	.003	.003	2.246E-09	11.52	.03	.50	.001
26	92.5	13.35	3.86	-3.76	7.62	5.70	-2.74	1.099E-06	.000	.000	4.800E-11	11.37	.02	.50	.005
27	82.5	12.68	3.82	-3.80	7.62	5.04	-2.78	8.599E-06	.003	.003	2.939E-09	11.36	.02	.50	
28															
29															
30	92.5	9.93	3.79	-3.83	7.62	1.16	-2.80	1.049E-04	.043	.041	4.379E-07	11.36	.02	.50	.055
31	92.5	7.97	3.75	-3.87	7.62	.33	-2.84	8.418E-04	.341	.333	2.821E-05	11.35	.02	.50	.443
32	92.5	7.24	3.83	-3.73	7.24	0.00	-2.81	1.962E-03	.771	.751	1.439E-04	11.36	.02	.50	
33	92.5	3.71	3.79	-3.92	3.71	0.00	-3.40	2.928E-03	1.202	1.157	3.455E-04	11.27	.01	.50	
34	92.5	0.00	3.67	-3.95	0.00	0.00	-3.92	2.944E-03	1.224	1.163	3.537E-04	11.19	.01	.50	
35	92.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.059E-03	1.294	1.209	3.884E-04	11.11	.00	.50	
36	92.5	-7.23	3.69	-3.74	-7.28	0.00	-4.66	2.570E-03	1.102	1.015	2.778E-04	11.04	.00	.50	
37	92.5	-7.97	3.83	-3.79	-7.62	.37	-4.75	1.100E-03	.473	.435	5.113E-05	11.02	.00	.50	.430
38	92.5	-8.75	3.98	-3.74	-7.62	1.15	-4.70	6.592E-05	.028	.026	1.831E-07	11.03	.00	.50	.026
39															
40															
41															
42	92.5	-13.29	4.00	-3.62	-7.62	5.68	-4.58	1.235E-05	.005	.005	6.392E-09	11.06	.00	.50	.005
43	92.5	13.37	.27	-7.35	7.62	5.70	-6.29	2.855E-06	.001	.001	3.708E-10	10.65	.77	.50	.002
44	92.5	12.57	.29	-7.33	7.62	4.91	-6.27	4.863E-06	.002	.002	1.067E-09	10.65	.77	.50	.003
45	92.5	11.39	.31	-7.32	7.62	3.72	-6.26	6.378E-06	.003	.003	1.952E-09	10.65	.77	.50	.004
46	92.5	11.13	.26	-7.36	7.62	2.37	-6.30	5.852E-06	.003	.002	1.548E-09	10.64	.77	.50	.003
47	92.5	1.92	.27	-7.35	7.62	1.16	-6.29	1.015E-04	.047	.040	4.651E-07	10.65	.77	.50	.055

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

RSI GAP HEATING ANALYSIS

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

		(DEG)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(KG/M2-S)				(CM)	(CM)	(CM)	
	42	82.5	7.33	.36	-7.26	7.62	.33	-6.21	8.201E-04	.376	.324	3.027E-05	10.67	.77	.50	.442
	43	82.5	7.31	.35	-7.27	7.30	0.00	-6.25	1.853E-03	.851	.732	1.548E-04	10.66	.77	.50	
	50	82.5	7.69	.29	-7.33	3.69	0.00	-6.78	2.718E-03	1.283	1.074	3.422E-04	10.50	.76	.50	
	51	82.5	3.00	.22	-7.40	0.00	3.00	-7.34	2.454E-03	1.191	.978	2.868E-04	10.33	.75	.50	
	52	82.5	-3.59	.27	-7.35	-3.59	0.00	-7.76	2.202E-03	1.092	.870	2.368E-04	10.19	.74	.50	
	53	82.5	-7.24	.46	-7.16	-7.24	0.00	-8.04	1.508E-03	.811	.636	1.280E-04	10.09	.74	.50	
	54	82.5	-7.89	.36	-7.26	-7.62	.31	-8.19	9.182E-04	.467	.363	4.210E-05	10.04	.73	.50	.576
	55	82.5	-8.69	.32	-7.30	-7.62	1.11	-8.23	5.198E-05	.027	.021	1.352E-07	10.03	.73	.50	.033
	56	82.5	-9.01	.37	-7.25	-7.62	2.32	-8.19	2.276E-06	.001	.001	2.586E-10	10.04	.73	.50	.001
	57															
	58															
	59	82.5	-13.23	.37	-7.25	-7.62	5.62	-8.18	8.054E-06	.004	.003	3.237E-09	10.04	.73	.50	.005
	61	82.5	7.14	0.00	-7.62	7.14	.27	-6.62	8.948E-04	.419	.354	3.678E-05	10.55	.76	.50	.492
	61	82.5	7.35	0.00	-7.62	7.35	1.17	-6.60	9.827E-05	.046	.039	4.429E-07	10.56	.77	.50	.054
	62	82.5	7.13	0.00	-7.62	7.13	2.34	-6.62	3.045E-06	.001	.001	4.258E-10	10.55	.76	.50	.002
	63	82.5	7.19	0.00	-7.62	7.19	3.71	-6.62	2.115E-06	.001	.001	2.054E-10	10.55	.76	.50	.001
	64	82.5	7.14	0.00	-7.62	7.14	5.02	-6.62	6.056E-06	.003	.002	1.685E-09	10.55	.76	.50	.003
	65															
	66	82.5	3.44	0.00	-7.62	3.44	.36	-7.11	1.325E-03	.635	.523	8.258E-05	10.40	.76	.50	.495
	67	82.5	3.44	0.00	-7.62	3.44	1.19	-7.11	9.334E-05	.045	.037	4.181E-07	10.40	.76	.50	.035
	68	82.5	3.45	0.00	-7.62	3.45	2.44	-7.10	3.584E-06	.002	.001	6.045E-10	10.40	.76	.50	.001
	69	82.5	3.50	0.00	-7.62	3.50	3.74	-7.10	2.880E-06	.001	.001	3.904E-10	10.41	.76	.50	.001
	70	82.5	3.46	0.00	-7.62	3.46	5.04	-7.10	4.337E-14	.000	.000	9.898E-26	10.41	.76	.50	.000
	71	82.5	3.40	0.00	-7.62	3.40	6.31	-7.11	1.301E-05	.006	.005	7.973E-09	10.40	.76	.50	.005
	72															
	73	82.5	0.00	0.00	-7.62	0.00	1.15	-7.55	9.131E-05	.045	.036	4.012E-07	10.26	.75	.50	.038
	74															
	75	82.5	0.00	0.00	-7.62	0.00	3.70	-7.55	6.227E-06	.003	.002	1.866E-09	10.26	.75	.50	.003
	76	82.5	0.00	0.00	-7.62	0.00	4.99	-7.55	1.038E-05	.005	.004	5.103E-09	10.26	.75	.50	.004
	77	82.5	0.00	0.00	-7.62	0.00	5.74	-7.55	7.284E-06	.004	.003	2.553E-09	10.26	.75	.50	.003
	78	82.5	-3.59	0.00	-7.62	-3.59	.34	-8.02	9.647E-04	.486	.381	4.601E-05	10.10	.74	.50	.445
	79	82.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	8.754E-05	.044	.035	3.799E-07	10.10	.74	.50	.040
	81	82.5	-3.60	0.00	-7.62	-3.60	2.42	-8.02	3.017E-06	.002	.001	4.500E-10	10.10	.74	.50	.001
	81	82.5	-3.55	0.00	-7.62	-3.55	3.76	-8.02	6.438E-06	.002	.002	9.736E-10	10.10	.74	.50	.002
	82															
	83	82.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	6.372E-06	.003	.003	2.008E-09	10.18	.74	.50	.003
	84	82.5	-7.36	0.00	-7.62	-7.33	.31	-8.51	9.234E-04	.478	.365	4.335E-05	9.92	.72	.50	.590
	85	82.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	5.778E-05	.030	.023	1.699E-07	9.92	.72	.50	.037
	86															
	87	82.5	-7.33	0.00	-7.62	-7.33	3.74	-8.51	2.460E-06	.001	.001	3.078E-10	9.92	.72	.50	.002
	88															
	89	82.5	-7.35	0.00	-7.62	-7.35	5.66	-8.51	5.283E-06	.003	.002	1.419E-09	9.92	.72	.50	.003

RSI GAP HEATING ANALYSIS
FINAL REPORT VOLUME II
REPORT MDC E1003 29 JANUARY 1974
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.
McDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (32), MDAC-E RSI GAPS, RUN (16) 1973 PAGE 97

MACH = 13.230
RE EDG = 5.766E-01
RL EDG = 8.205E-02
RE/METER = 3.230E+06
H0 = 2.554E+08(N/M2- K)
TW = 298.1 (K)
STEP = 0.800(CM)

TT = 1.067E+03(K)
PI = 5.164 E+06(N/M2)
T1 = 4.744E+01(K)
P1 = 6.980E+02(N/M2)
(RHO V)1 = 1.024E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.89F FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = Y-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.9	13.39	7.62	0.00	7.62	5.70	1.97	3.766E-06	.002	.001	5.583E-10	11.50	.83	.50	.002
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	5.331E-06	.002	.002	1.119E-09	11.50	.83	.50	.004
11															
12															
13	75.0	0.33	7.62	0.00	7.62	1.14	1.97	1.265E-04	.051	.050	6.304E-07	11.50	.83	.50	.004
14	75.0	0.02	7.62	0.00	7.62	.33	1.97	6.592E-04	.269	.264	1.764E-05	11.50	.83	.50	.444
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.508E-03	.605	.596	8.944E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	2.889E-03	1.150	1.141	3.260E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.137E-03	1.239	1.229	3.815E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.60	-.92	3.235E-03	1.288	1.278	4.087E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	2.979E-03	1.195	1.177	3.492E-04	11.46	.82	.50	
20	75.0	-7.97	7.62	0.00	-7.62	.41	-1.97	1.353E-03	.543	.535	7.213E-05	11.45	.82	.50	.455
21	75.0	-8.32	7.62	0.00	-7.62	1.17	-1.97	1.274E-04	.051	.050	6.394E-07	11.45	.82	.50	.043
22	75.0	-9.04	7.62	0.00	-7.62	2.39	-1.97	1.913E-06	.001	.001	1.441E-10	11.45	.82	.50	.001
23															
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	3.929E-06	.002	.002	6.870E-10	11.46	.82	.50	.001
25	75.0	-13.29	7.62	0.00	-7.62	5.73	-1.97	5.103E-06	.002	.002	1.025E-09	11.45	.82	.50	.002
26	75.0	13.35	3.86	-3.76	7.62	5.70	-1.66	1.839E-06	.001	.001	1.328E-10	11.48	.83	.50	.001
27															
28															
29															
30	75.0	8.00	3.79	-3.83	7.62	1.16	-1.73	8.687E-05	.035	.034	2.966E-07	11.47	.82	.50	.042
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	9.098E-04	.364	.359	3.254E-05	11.47	.82	.50	.445
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.044E-03	.819	.807	1.642E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	3.019E-03	1.225	1.193	3.628E-04	11.35	.82	.58	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	2.892E-03	1.198	1.143	3.399E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	2.888E-03	1.239	1.141	3.512E-04	11.04	.80	.50	
36	75.0	-7.28	3.88	-3.74	-7.28	0.00	-5.50	2.391E-03	1.062	.945	2.492E-04	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	1.029E-03	.460	.407	4.643E-05	10.82	.78	.50	.433
38	75.0	-8.75	3.98	-3.74	-7.62	1.15	-5.59	6.754E-05	.030	.027	2.002E-07	10.83	.78	.50	.028
39															
40															
41															
42															
43	75.0	13.37	.27	-7.35	7.62	5.70	-5.12	2.096E-08	.000	.000	1.882E-14	10.94	.79	.50	.000
44															
45															
46															
47	75.0	8.32	.27	-7.35	7.62	1.16	-5.12	1.004E-04	.044	.040	4.319E-07	10.94	.79	.50	.046

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

[illegible] TEST (32), [illegible]-E RSI GAPS, RUN (16) 1973

PAGE 98

CH	GAMMA (DEG)	X[illegible] (CM)	XP (CM)	Y[illegible] (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.[illegible]	[illegible]	.35	-7.26	7.62	.33	-5.04	1.004E-03	.437	.397	4.307E-05	10.96	.79	.50	.461
49	75.[illegible]	[illegible]	.35	-7.27	7.30	0.00	-5.13	2.159E-03	.940	.857	2.017E-04	10.94	.79	.50	
50	75.[illegible]	3.69	.23	-7.33	3.69	0.00	-6.12	2.840E-03	1.298	1.122	3.616E-04	10.69	.77	.50	
51	75.[illegible]	[illegible]	.22	-7.40	0.00	0.00	-7.15	2.402E-03	1.154	.949	2.721E-04	10.39	.75	.50	
52	75.[illegible]	-3.58	.27	-7.35	-3.58	0.00	-8.03	2.109E-03	1.063	.833	2.200E-04	10.10	.74	.50	
53	75.[illegible]	-7.24	.46	-7.16	-7.24	0.00	-8.79	1.460E-03	.773	.580	1.113E-04	9.82	.72	.50	
54	75.[illegible]	[illegible]	.36	-7.26	-7.62	.31	-8.99	8.395E-04	.447	.332	3.673E-05	9.74	.71	.50	.578
55	75.[illegible]	[illegible]	.32	-7.32	-7.62	1.11	-9.02	8.925E-05	.048	.035	4.167E-07	9.73	.71	.50	.062
56															
57	75.[illegible]	-11.23	.36	-7.26	-7.62	3.70	-8.98	3.313E-06	.002	.002	7.993E-10	9.74	.71	.50	.003
58	75.[illegible]	-12.55	.38	-7.24	-7.52	4.97	-8.97	1.729E-06	.001	.001	1.559E-10	9.75	.71	.50	.001
59	75.[illegible]	-13.2[illegible]	.37	-7.25	-7.52	5.62	-8.98	4.366E-06	.002	.002	9.945E-10	9.75	.71	.50	.003
60	75.[illegible]	7.14	0.00	-7.62	7.14	.27	-5.51	1.161E-03	.496	.435	5.293E-05	10.85	.78	.50	.517
61	75.[illegible]	7.35	0.00	-7.62	7.35	1.17	-5.46	1.170E-04	.052	.046	5.957E-07	10.86	.78	.50	.055
62															
63															
64	75.[illegible]	7.14	[illegible]	-7.62	7.14	5.02	-5.51	3.333E-06	.001	.001	4.847E-10	10.85	.78	.50	.002
65															
[illegible]	75.[illegible]	3.44	[illegible]	-7.62	3.44	.36	-6.47	1.395E-03	.648	.551	8.864E-05	10.63	.77	.50	.499
[illegible]	75.[illegible]	3.44	[illegible]	-7.62	3.44	1.19	-6.47	8.428E-05	.039	.033	3.237E-07	10.60	.77	.50	.030
[illegible]															
[illegible]	75.[illegible]	[illegible]	[illegible]	-7.62	3.50	3.74	-6.45	1.456E-07	.000	.000	9.647E-13	10.60	.77	.50	.000
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	3.46	5.04	-6.46	4.542E-14	.000	.000	9.396E-26	10.60	.77	.50	.000
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	3.40	5.81	-6.49	6.787E-06	.003	.003	2.103E-09	10.59	.77	.50	.002
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	[illegible]	.38	-7.36	4.158E-07	.000	.000	8.238E-12	10.32	.75	.50	.000
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	[illegible]	1.15	-7.36	6.852E-05	.033	.027	2.233E-07	10.32	.75	.50	.029
[illegible]															
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	[illegible]	3.70	-7.36	4.849E-06	.002	.002	1.121E-09	10.32	.75	.50	.002
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	[illegible]	4.99	-7.36	4.536E-06	.002	.002	9.807E-10	10.32	.75	.50	.002
[illegible]	[illegible]	[illegible]	[illegible]	-7.62	[illegible]	5.74	-7.36	8.792E-06	.004	.003	3.584E-09	10.32	.75	.50	.004
[illegible]	[illegible]	-[illegible].59	[illegible]	-7.62	-3.59	.38	-8.29	9.118E-04	.466	.360	4.173E-05	10.00	.73	.50	.439
[illegible]	[illegible]	-[illegible].67	[illegible]	-7.62	-3.63	1.17	-8.30	8.162E-05	.041	.032	3.297E-07	10.00	.73	.50	.039
[illegible]															
[illegible]															
[illegible]															
[illegible]															
[illegible]	75.[illegible]	-7.3[illegible]	[illegible]	-7.62	-7.33	.31	-9.26	8.555E-04	.467	.342	3.970E-05	9.63	.71	.50	.605
[illegible]	[illegible]	-7.35	[illegible]	-7.62	-7.36	1.09	-9.26	5.513E-05	.030	.022	1.611E-07	9.63	.71	.50	.039
[illegible]	75.[illegible]	-7.35	[illegible]	-7.62	-7.36	2.36	-9.26	4.041E-06	.002	.002	8.659E-10	9.63	.71	.50	.003
[illegible]															
[illegible]															
[illegible]	75.[illegible]	-7.35	[illegible]	-7.62	-7.35	5.65	-9.26	5.374E-06	.003	.002	1.829E-09	9.63	.71	.50	.004

3.[illegible]- 32

MACH = 10.290
RY EQG = 5.758E-01
RL EQG = 9.194E-02
RE/METER = 3.226E+06
HO = 2.554E+08(N/M2- K)
TW = 299.1 (K)
STEP = 0.038(CM)

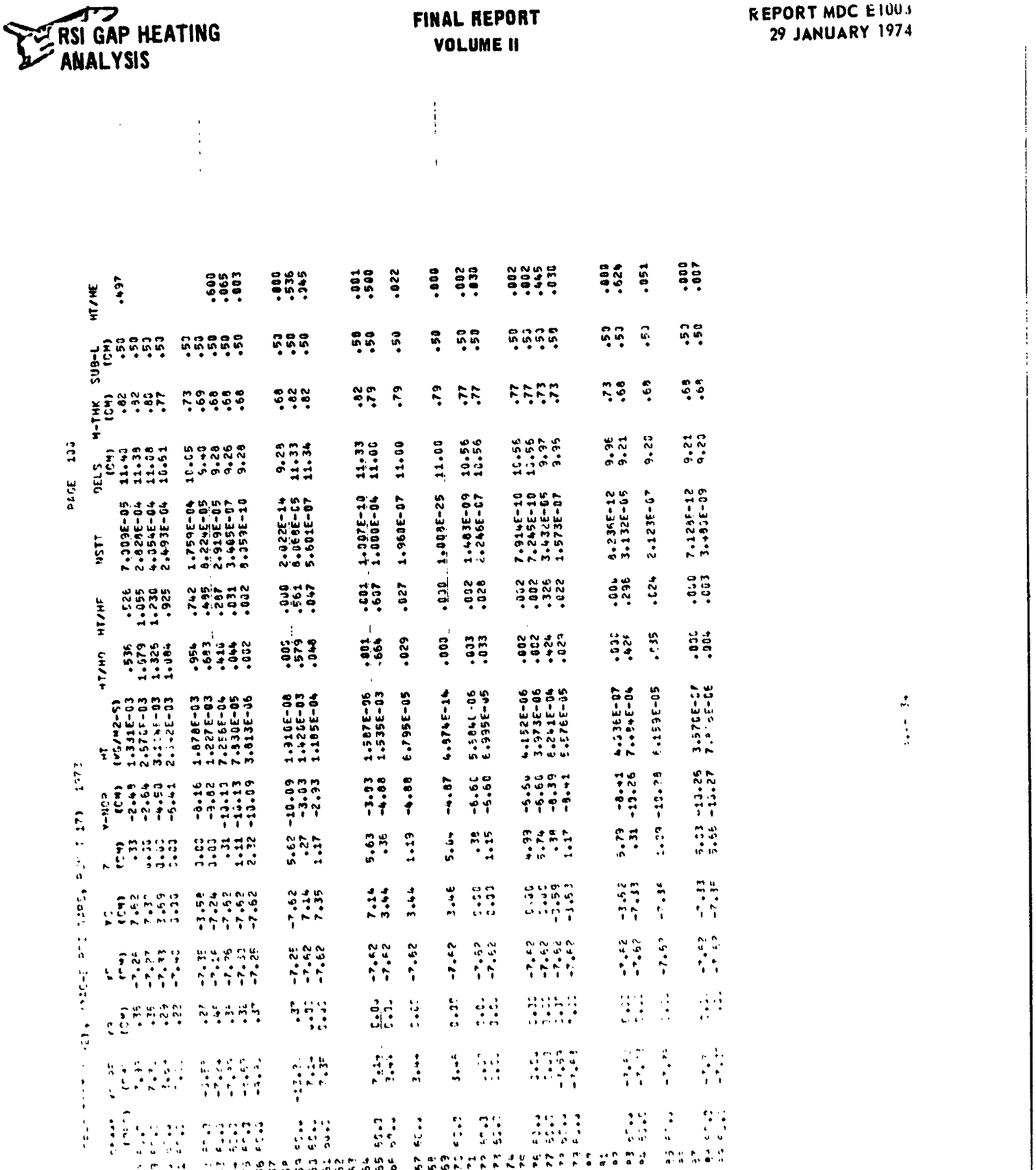
TT = 1.007E+03(K)
PI = 5.163E+06(N/M2)
TI = 4.787E+01(K)
PI = 0.980E+02(N/M2)
(PHO V)1 = 1.023E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.39	7.62	0.00	7.62	5.70	3.81	2.202E-06	.001	.001	1.956E-10	11.29	.81	.50	.001
10	60.0	12.72	7.62	0.00	7.62	5.03	3.81	4.410E-06	.002	.002	7.847E-10	11.29	.81	.50	.003
11															
12															
13	60.0	8.87	7.62	0.00	7.62	1.14	3.81	7.727E-05	.032	.031	2.409E-07	11.29	.81	.50	.049
14	60.0	8.32	7.62	0.00	7.62	.33	3.81	7.091E-04	.291	.280	2.829E-05	11.29	.81	.50	.446
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.592E-03	.653	.629	1.020E-04	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.841E-03	1.139	1.123	3.175E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.044E-03	1.203	1.203	3.594E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.134E-03	1.255	1.238	3.862E-04	11.47	.82	.50	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	2.970E-03	1.225	1.174	3.573E-04	11.24	.81	.50	
20	60.0	-7.37	7.62	0.00	-7.62	.41	-3.81	1.410E-03	.584	.557	8.081E-05	11.21	.81	.50	.476
21	60.0	-7.72	7.62	0.00	-7.62	1.17	-3.81	9.955E-05	.041	.039	4.029E-07	11.21	.81	.50	.034
22															
23															
24	60.0	-12.67	7.62	0.00	-7.62	5.07	-3.81	1.240E-05	.005	.005	6.251E-09	11.21	.81	.50	.004
25	60.0	-13.23	7.62	0.00	-7.62	5.73	-3.81	7.527E-06	.003	.003	2.383E-09	11.21	.81	.50	.003
26	60.0	13.35	3.86	-3.76	7.62	5.70	.55	8.592E-06	.003	.003	2.944E-09	11.56	.83	.50	.004
27	60.0	12.69	3.82	-3.80	7.62	5.04	.52	7.588E-06	.003	.003	2.243E-09	11.56	.83	.50	.003
28															
29															
30	60.0	8.81	3.79	-3.83	7.62	1.16	.49	4.784E-05	.019	.019	8.837E-08	11.56	.83	.50	.021
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.026E-03	.407	.405	4.098E-05	11.56	.83	.50	.445
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.366E-03	.914	.911	2.069E-04	11.56	.83	.50	
33	60.0	3.71	3.76	-3.92	3.71	0.00	-1.54	3.194E-03	1.278	1.262	4.086E-04	11.49	.83	.50	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	2.913E-03	1.196	1.151	3.421E-04	11.27	.81	.50	
35	60.0	-3.59	3.73	-3.89	-3.59	0.00	-5.16	2.760E-03	1.208	1.091	3.272E-04	10.93	.79	.50	
36	60.0	-7.29	3.89	-3.74	-7.28	0.00	-6.88	2.199E-03	1.043	.869	2.251E-04	10.47	.76	.50	
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	9.511E-04	.461	.388	4.347E-05	10.41	.76	.50	.442
38	60.0	-8.75	3.89	-3.74	-7.62	1.15	-7.85	4.348E-05	.021	.017	8.845E-09	10.42	.76	.50	.020
39															
40															
41	60.0	-12.52	3.75	-3.57	-7.62	5.04	-6.39	3.389E-06	.002	.001	5.375E-10	10.44	.76	.50	.002
42	60.0	-13.28	4.10	-3.62	-7.62	5.69	-6.94	3.193E-06	.002	.001	4.761E-10	10.45	.76	.50	.001
43	60.0	13.37	.27	-7.35	7.62	5.70	-2.55	7.044E-07	.000	.000	2.410E-11	11.39	.82	.50	.000
44	60.0	12.57	.28	-7.33	7.62	4.91	-2.53	1.090E-06	.001	.001	1.413E-10	11.39	.82	.50	.001
45															
46	60.0	10.33	.26	-7.36	7.62	2.37	-2.56	2.581E-06	.001	.001	2.636E-10	11.39	.82	.50	.001
47	60.0	9.82	.27	-7.35	7.62	1.15	-2.55	9.419E-05	.038	.037	3.511E-07	11.39	.82	.50	.035

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR



MACH = 10.298
RX E06 = 1.000E+05
RL E06 = 9.155E-02
PE/METER = 3.210E+06
HO = 2.554E+08(W/M2- K)
TW = 555.0 (K)
STEP = 0.002(CM)

TT = 1.010E+03(K)
PI = 5.167E+06(N/M2)
TI = 4.762E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.022E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10															
11															
12															
13	45.0	8.93	7.62	0.00	7.62	1.14	5.39	7.703E-05	.033	.038	2.490E-07	11.00	.00	.50	.044
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	7.837E-04	.335	.310	2.577E-05	11.00	.00	.50	.449
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.750E-03	.745	.695	1.207E-04	11.05	.00	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.875E-03	1.159	1.136	3.276E-04	11.45	.02	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.987E-03	1.180	1.180	3.466E-04	11.56	.03	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.035E-03	1.223	1.199	3.649E-04	11.48	.02	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	2.998E-03	1.263	1.142	3.589E-04	10.94	.79	.50	
20	45.0	-7.97	7.62	0.00	-7.62	.41	-5.39	1.366E-03	.684	.548	8.108E-05	10.00	.79	.50	.478
21	45.0	-9.72	7.62	0.00	-7.62	1.17	-5.39	8.717E-05	.039	.034	3.302E-07	10.60	.79	.50	.031
22															
23															
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	1.398E-06	.001	.001	1.110E-10	10.00	.79	.50	.001
25	45.0	-13.28	7.62	0.00	-7.62	5.73	-5.39	1.618E-06	.001	.001	1.138E-10	10.00	.79	.50	.001
26															
27															
28															
29															
30	45.0	8.00	3.79	-3.83	7.62	1.16	2.68	3.845E-05	.016	.015	5.870E-08	11.44	.02	.50	.016
31	45.0	7.07	3.75	-3.87	7.62	.33	2.65	1.103E-03	.445	.436	4.825E-05	11.44	.02	.50	.447
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.472E-03	.995	.977	2.419E-04	11.46	.02	.50	
33	45.0	3.71	3.70	-3.92	3.71	0.00	-.15	3.358E-03	1.328	1.327	4.385E-04	11.55	.03	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	2.951E-03	1.200	1.178	3.492E-04	11.36	.02	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	2.714E-03	1.194	1.072	3.106E-04	10.90	.79	.50	
36	45.0	-7.28	3.88	-3.74	-7.28	0.00	-7.79	2.039E-03	1.014	.806	2.031E-04	10.10	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	8.936E-04	.451	.393	3.965E-05	10.08	.73	.50	.445
38	45.0	-9.75	3.88	-3.74	-7.62	1.15	-8.03	4.862E-05	.025	.019	1.171E-07	10.10	.74	.50	.024
39															
40															
41															
42	45.0	-13.28	4.00	-3.62	-7.62	5.69	-7.95	6.878E-06	.003	.002	1.821E-09	10.13	.74	.50	.003
43	45.0	13.37	.27	-7.35	7.62	5.70	.19	4.709E-07	.000	.000	8.626E-12	11.56	.03	.50	.000
44															
45															
46	45.0	10.33	.25	-7.36	7.62	2.37	.19	2.734E-06	.001	.001	2.907E-10	11.56	.03	.50	.001
47	45.0	8.02	.27	-7.35	7.62	1.16	.19	8.725E-05	.035	.034	2.961E-07	11.56	.03	.50	.030
48	45.0	7.99	.36	-7.26	7.62	.33	.25	1.476E-03	.594	.583	8.475E-05	11.56	.03	.50	.512

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

FFHT TEST (92), MACH-E RSI GAPS, RUN (18) 1973 PAGE 102

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	45.0	7.30	.35	-7.27	7.30	0.00	.02	2.887E-03	1.141	1.141	3.239E-04	11.56	.83	.50	
50	45.0	3.69	.29	-7.33	3.69	0.00	-2.58	3.177E-03	1.281	1.255	4.081E-04	11.39	.82	.50	
51	45.0	0.00	.22	-7.40	0.00	0.00	-5.23	2.368E-03	1.040	.936	2.420E-04	10.92	.79	.50	
52	45.0	-3.59	.27	-7.35	-3.58	0.00	-7.73	1.841E-03	.912	.727	1.650E-04	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	1.195E-03	.678	.472	7.958E-05	9.24	.68	.50	
54	45.0	-7.62	.36	-7.26	-7.62	.31	-10.52	6.923E-04	.488	.274	2.719E-05	9.09	.67	.50	.598
55	45.0	-8.69	.32	-7.30	-7.62	1.11	-10.55	7.440E-05	.043	.029	3.144E-07	9.08	.67	.50	.863
56															
57															
58	45.0	-12.55	.38	-7.24	-7.62	4.97	-10.51	2.220E-07	.000	.000	2.794E-12	9.09	.67	.50	.000
59	45.0	-13.20	.37	-7.25	-7.62	5.62	-10.52	2.080E-06	.001	.001	2.453E-10	9.09	.67	.50	.002
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	1.570E-03	.622	.620	9.603E-05	11.55	.83	.50	.545
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	1.004E-04	.040	.040	3.921E-07	11.55	.83	.50	.035
62															
63															
64															
65	45.0	7.14	0.00	-7.62	7.14	5.63	-.34	1.578E-06	.001	.001	9.700E-11	11.55	.83	.50	.001
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	1.562E-03	.635	.617	9.757E-05	11.34	.82	.50	.496
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	7.781E-05	.032	.031	2.420E-07	11.34	.82	.50	.025
68															
69	45.0	3.50	0.00	-7.62	3.50	3.74	-2.91	5.396E-06	.002	.002	1.163E-09	11.34	.82	.50	.002
70	45.0	3.46	0.00	-7.62	3.46	5.04	-2.94	5.159E-14	.000	.000	1.063E-25	11.34	.82	.50	.000
71	45.0	3.41	0.00	-7.62	3.40	5.81	-2.97	8.116E-06	.003	.003	2.570E-09	11.33	.82	.50	.003
72															
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	6.588E-05	.030	.028	1.944E-07	10.88	.79	.50	.028
74															
75															
76															
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	1.574E-06	.001	.001	1.219E-10	10.88	.79	.50	.001
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	8.356E-04	.404	.315	3.196E-05	10.13	.74	.50	.443
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	6.303E-05	.032	.025	1.980E-07	10.12	.74	.50	.035
80															
81															
82	45.0	-3.59	0.00	-7.62	-3.59	5.08	-7.92	4.594E-07	.000	.000	1.084E-11	10.14	.74	.50	.000
83															
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	7.297E-04	.422	.206	3.022E-05	9.07	.67	.50	.623
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	3.559E-05	.021	.014	7.213E-09	9.06	.67	.50	.030
86															
87															
88															
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290 TT = 1.013E+03(K)
PX FOR = 7.895E-02 PI = 5.164E+06(N/M2)
PL FOR = 8.114E-02 T1 = 4.773E+01(K)
RE/METER = 3.194E+06 P1 = 0.979E+02(N/M2)
HO = 2.554E+00(M/M2- K) (RHO V)1 = 1.026E+01(KG/M2-S)
TW = 300.4 (K) GAP = .229 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES|GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	-13.39	7.62	0.00	-7.62	5.70	-.99	5.552E-06	.002	.002	1.209E-09	11.52	.83	.50	.002
10	82.5	-12.72	7.62	0.00	-7.62	5.03	-.99	2.798E-06	.001	.001	3.053E-10	11.52	.83	.50	.001
11	82.5	-11.34	7.62	0.00	-7.62	3.74	-.99	1.128E-05	.004	.004	4.993E-09	11.52	.83	.50	.005
12	82.5	-10.05	7.62	0.00	-7.62	2.36	-.99	1.335E-05	.005	.005	6.995E-09	11.52	.83	.50	.005
13	82.5	-8.83	7.62	0.00	-7.62	1.14	-.99	8.569E-05	.034	.034	2.934E-07	11.52	.83	.50	.035
14	82.5	-8.02	7.62	0.00	-7.62	.33	-.99	1.286E-03	.512	.508	6.492E-05	11.52	.83	.50	.526
15	82.5	-7.29	7.62	0.00	-7.29	0.00	-.95	2.446E-03	.974	.966	2.346E-04	11.53	.83	.50	
16	82.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.270E-03	1.297	1.292	4.178E-04	11.55	.83	.50	
17	82.5	0.04	7.62	0.00	0.00	0.00	0.00	3.813E-03	1.191	1.191	3.534E-04	11.56	.83	.50	
18	82.5	3.54	7.62	0.00	3.54	0.00	.46	2.755E-03	1.096	1.092	2.986E-04	11.56	.83	.50	
19	82.5	7.27	7.62	0.00	7.27	0.00	.95	1.651E-03	.657	.653	1.069E-04	11.55	.83	.50	
20	82.5	7.97	7.62	0.00	7.62	.41	.99	6.574E-04	.262	.260	1.696E-05	11.55	.83	.50	.398
21	82.5	9.72	7.62	0.00	7.62	1.17	.99	9.126E-05	.036	.036	3.267E-07	11.55	.83	.50	.055
22	82.5	9.94	7.62	0.00	7.62	2.39	.99	6.549E-06	.003	.003	1.734E-09	11.55	.83	.50	.004
23															
24	82.5	12.62	7.62	0.00	7.62	5.47	.99	4.548E-06	.002	.002	8.476E-10	11.55	.83	.50	.003
25	82.5	13.29	7.62	0.00	7.62	5.73	.99	5.134E-06	.002	.002	1.034E-09	11.55	.83	.50	.003
26	82.5	-13.35	11.38	3.76	-7.62	5.70	2.74	1.591E-06	.001	.001	1.138E-10	11.43	.82	.50	.001
27	82.5	-12.69	11.42	3.80	-7.62	5.04	2.78	5.827E-06	.002	.002	1.353E-09	11.43	.82	.50	.002
28															
29															
30	82.5	-8.93	11.46	3.83	-7.62	1.16	2.80	5.151E-05	.621	.020	1.058E-07	11.42	.82	.50	.018
31	82.5	-7.97	11.49	3.87	-7.62	.33	2.84	1.447E-03	.596	.572	8.355E-05	11.42	.82	.50	.586
32	82.5	-7.24	11.41	3.79	-7.24	0.00	2.81	2.859E-03	1.157	1.130	3.268E-04	11.42	.82	.50	
33	82.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.102E-03	1.267	1.226	3.872E-04	11.35	.82	.50	
34	82.5	0.00	11.57	3.95	0.00	0.00	3.92	2.776E-03	1.144	1.097	3.127E-04	11.28	.81	.50	
35	82.5	3.59	11.51	3.89	3.59	0.00	4.32	2.589E-03	1.076	1.023	2.745E-04	11.21	.81	.50	
36	82.5	7.29	11.36	3.74	7.28	0.00	4.66	1.529E-03	.682	.644	1.095E-04	11.15	.81	.50	
37	82.5	7.97	11.41	3.79	7.62	.37	4.75	7.110E-04	.298	.281	2.090E-05	11.13	.80	.50	.437
38	82.5	9.75	11.36	3.74	7.62	1.15	4.78	7.588E-05	.032	.030	2.378E-07	11.14	.80	.50	.047
39	82.5	9.95	11.42	3.80	7.62	2.35	4.76	5.664E-06	.002	.002	1.527E-09	11.13	.80	.50	.003
40	82.5	11.22	11.42	3.80	7.62	3.62	4.76	1.543E-06	.001	.001	9.845E-11	11.13	.80	.50	.001
41	82.5	12.54	11.29	3.67	7.62	5.04	4.63	7.511E-06	.003	.003	2.389E-09	11.16	.81	.50	.005
42	82.5	13.29	11.24	3.62	7.62	5.68	4.58	1.153E-05	.005	.005	5.478E-09	11.16	.81	.50	.007
43	82.5	-13.37	14.97	7.35	-7.62	5.70	6.29	8.900E-06	.004	.004	3.422E-09	10.79	.78	.50	.004
44	82.5	-12.57	14.95	7.33	-7.62	4.91	6.27	5.224E-06	.002	.002	1.179E-09	10.80	.78	.50	.002
45															
46	82.5	-10.03	14.98	7.36	-7.62	2.37	6.30	9.032E-06	.004	.004	3.526E-09	10.79	.78	.50	.004
47	82.5	-9.92	14.97	7.35	-7.62	1.16	6.29	6.275E-05	.028	.025	1.701E-07	10.79	.78	.50	.027

[illegible], [illegible], RUN # 13) 1975

		(DEG)	(CM)	(CM)	(CM)	(CM)	(CM)	(CM)	(KG/M2-S)				(CM)	(CM)	(CM)	
48		92.5	-7.39	14.88	7.26	-7.62	.33	6.21	1.144E-03	.500	.452	5.636E-05	10.81	.78	.50	.492
49		92.5	-7.30	14.89	7.27	-7.35	3.30	6.25	2.321E-03	1.017	.917	2.325E-04	10.80	.78	.50	
50		92.5	-7.63	14.95	7.33	-3.69	3.30	6.78	2.454E-03	1.096	.978	2.648E-04	10.66	.77	.50	
51		92.5	0.00	15.02	7.40	0.00	0.00	7.34	2.290E-03	1.044	.905	2.354E-04	10.50	.76	.50	
52		92.5	3.59	14.97	7.35	3.58	3.00	7.76	2.175E-03	1.010	.868	2.164E-04	10.37	.76	.50	
53		92.5	7.24	14.79	7.16	7.24	0.00	8.04	1.112E-03	.526	.439	5.756E-05	10.28	.75	.50	
54		92.5	7.93	14.89	7.26	7.62	.34	8.19	6.462E-04	.308	.255	1.963E-05	10.23	.75	.50	.587
55		92.5	8.69	14.92	7.30	7.62	1.11	8.23	1.318E-04	.063	.052	8.179E-07	10.22	.75	.50	.120
56		92.5	9.93	14.87	7.25	7.62	2.32	8.19	3.977E-06	.002	.002	7.432E-10	10.23	.75	.50	.004
57		92.5	11.29	14.89	7.26	7.62	3.70	8.19	9.758E-06	.005	.004	4.475E-09	10.23	.75	.50	.009
58		92.5	12.65	14.86	7.24	7.62	4.97	8.18	1.418E-06	.001	.001	9.440E-11	10.23	.75	.50	.001
59		92.5	13.21	14.87	7.25	7.62	5.62	8.18	4.342E-06	.002	.002	9.691E-10	10.23	.75	.50	.004
60		92.5	-7.14	15.24	7.62	-7.14	.27	6.62	1.105E-03	.490	.437	5.338E-05	10.70	.78	.50	.482
61		92.5	-7.35	15.24	7.62	-7.35	1.17	6.60	8.120E-05	.036	.032	2.880E-07	10.71	.78	.50	.035
62																
63		92.5	-7.19	15.24	7.62	-7.19	3.71	6.62	4.657E-06	.002	.002	9.479E-10	10.71	.78	.50	.002
64																
65																
66		92.5	-3.44	15.24	7.62	-3.44	.38	7.11	1.201E-03	.543	.475	6.425E-05	10.57	.77	.50	.495
67		92.5	-3.44	15.24	7.62	-3.44	1.19	7.11	8.527E-05	.039	.034	3.313E-07	10.57	.77	.50	.036
68																
69																
70		92.5	-3.46	15.24	7.62	-3.46	5.04	7.10	4.626E-14	.000	.000	9.523E-26	10.57	.77	.50	.000
71		92.5	-3.47	15.24	7.62	-3.46	5.81	7.11	5.113E-07	.000	.000	1.164E-11	10.57	.77	.50	.000
72																
73		92.5	0.00	15.24	7.62	0.00	1.15	7.55	1.043E-04	.048	.041	4.919E-07	10.43	.76	.50	.046
74																
75																
76		92.5	0.00	15.24	7.62	0.00	4.99	7.55	5.070E-06	.002	.002	1.163E-09	10.43	.76	.50	.002
77																
78		92.5	3.59	15.24	7.62	3.59	.38	8.02	1.013E-03	.479	.430	4.774E-05	10.28	.75	.50	.474
79		92.5	3.63	15.24	7.62	3.63	1.17	8.03	1.130E-04	.053	.045	5.937E-07	10.28	.75	.50	.053
81		92.5	3.61	15.24	7.62	3.60	2.42	8.02	1.549E-05	.007	.006	1.116E-08	10.28	.75	.50	.007
91																
92																
93		92.5	7.62	15.24	7.62	3.62	5.79	8.03	4.847E-06	.002	.002	1.093E-09	10.28	.75	.50	.002
84		92.5	7.33	15.24	7.62	7.33	.31	8.51	6.986E-04	.340	.276	2.339E-05	10.12	.74	.50	.647
85		92.5	7.35	15.24	7.62	7.35	1.09	8.52	1.013E-04	.049	.040	4.919E-07	10.12	.74	.50	.094
86																
87																
88																
89																

MACH = 10.290
PX EOS = 1.000E+05
RL EOS = 8.074E-02
RE/METER = 3.179E+06
HO = 2.594E+08(N/M2- K)
TW = 555.0 (K)
STEP = 0.300(CM)

TT = 1.015E+03(K)
PI = 5.164E+06(N/M2)
T1 = 4.786E+01(K)
P1 = 0.979E+02(N/M2)
(RHO V)1 = 1.018E+01(KG/M2-S)
GAP = .229 (CM)
CONF = STAG

TAW/TT = 0.895 FOR HT/HO
XSURF = SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10															
11															
12															
13	75.0	-8.83	7.62	0.00	-7.62	1.14	-1.97	8.142E-05	.033	.032	2.625E-07	11.45	.02	.50	.032
14	75.0	-8.72	7.62	0.00	-7.62	.33	-1.97	1.350E-03	.542	.533	7.215E-05	11.45	.02	.50	.530
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	2.546E-03	1.021	1.006	2.566E-04	11.46	.02	.50	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.224E-03	1.283	1.274	4.082E-04	11.53	.03	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	2.968E-03	1.173	1.173	3.436E-04	11.56	.03	.50	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.739E-03	1.090	1.082	2.945E-04	11.55	.03	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.88	1.659E-03	.665	.656	1.089E-04	11.58	.03	.50	
20	75.0	7.97	7.62	0.00	7.62	.41	1.97	6.565E-04	.263	.259	1.706E-05	11.58	.03	.50	.396
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.358E-04	.055	.054	7.410E-07	11.50	.03	.50	.083
22															
23															
24															
25	75.0	13.29	7.62	0.00	7.62	5.73	1.97	8.573E-07	.000	.000	2.910E-11	11.50	.03	.50	.001
26	75.0	-13.35	11.38	3.76	-7.62	5.70	1.66	1.566E-06	.001	.001	8.955E-11	11.52	.03	.50	.000
27	75.0	-12.68	11.42	3.80	-7.62	5.04	1.78	3.958E-06	.002	.002	6.222E-10	11.52	.03	.50	.001
28															
29															
30	75.0	-8.80	11.45	3.83	-7.62	1.16	1.73	5.869E-05	.023	.020	1.016E-07	11.51	.03	.50	.017
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	1.519E-03	.608	.600	9.118E-05	11.51	.03	.50	.502
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	3.024E-03	1.212	1.195	3.615E-04	11.51	.03	.58	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.201E-03	1.296	1.265	4.093E-04	11.42	.02	.54	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.82	2.759E-03	1.134	1.090	3.087E-04	11.29	.01	.58	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.523E-03	1.058	.997	2.633E-04	11.15	.01	.50	
36	75.0	7.29	11.36	3.74	7.29	0.00	5.50	1.352E-03	.669	.617	1.031E-04	10.98	.79	.50	
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	6.882E-04	.296	.272	2.018E-05	10.95	.79	.58	.442
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	8.177E-05	.035	.032	2.833E-07	10.96	.79	.58	.052
39															
40															
41	75.0	12.64	11.29	3.67	7.62	5.04	5.51	3.957E-06	.002	.002	6.619E-10	10.98	.79	.50	.003
42	75.0	13.23	11.24	3.62	7.62	5.68	5.47	8.123E-06	.003	.003	2.786E-09	10.99	.79	.50	.005
43															
44	75.0	-12.67	14.95	7.33	-7.62	4.91	5.10	9.775E-06	.004	.004	3.989E-09	11.06	.80	.50	.004
45	75.0	-11.33	14.94	7.32	-7.62	3.72	5.09	4.043E-07	.000	.000	8.822E-12	11.07	.80	.50	.000
46															
47	75.0	-3.32	14.97	7.35	-7.62	1.16	5.12	3.445E-05	.015	.014	4.958E-08	11.06	.80	.50	.014

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 12

PFWT TEST (92), MSAC-E RSI GAPS, RUN (20) 1973

C4	GAMMA (DEG)	XSURF (CM)	Y9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	MT (KG/M2-S)	MT/HO	MT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	MT/ME
49	75.0	-7.99	14.88	7.26	-7.62	.33	5.84	1.224E-03	.517	.483	6.241E-05	11.88	.88	.50	.489
49	75.0	-7.30	14.89	7.27	-7.30	0.00	5.13	2.96E-03	1.057	.986	2.604E-04	11.86	.88	.50	
50	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	2.461E-03	1.077	.975	2.621E-04	10.83	.77	.50	
51	75.0	0.00	15.02	7.40	0.00	0.00	7.15	2.154E-03	.975	.851	2.873E-04	10.56	.77	.50	
52	75.0	3.50	14.97	7.35	3.50	0.00	8.03	1.935E-03	.914	.765	1.746E-04	10.28	.75	.50	
53	75.0	7.24	14.78	7.16	7.24	0.00	8.79	9.447E-04	.467	.373	4.356E-05	10.02	.73	.50	
54	75.0	7.49	14.88	7.26	7.62	.31	8.99	5.761E-04	.288	.220	1.639E-05	9.95	.73	.50	.617
55	75.0	8.69	14.92	7.30	7.62	1.11	9.82	1.111E-04	.056	.044	6.113E-07	9.94	.73	.50	.119
56															
57															
58															
59	75.0	14.23	14.87	7.25	7.62	5.62	8.98	1.701E-06	.001	.001	1.566E-10	9.95	.73	.50	.002
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	1.161E-03	.498	.459	6.701E-05	10.98	.79	.50	.471
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	6.75 E-05	.329	.027	1.924E-07	10.99	.80	.50	.027
62	75.0	-7.13	15.24	7.62	-7.13	2.34	5.52	1.538E-06	.001	.001	1.081E-10	10.98	.79	.50	.001
63	75.0	-7.19	15.24	7.62	-7.19	3.71	5.50	3.403E-06	.001	.001	4.893E-10	10.98	.79	.50	.001
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	2.908E-06	.001	.001	1.760E-10	10.98	.79	.50	.001
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	8.222E-07	.000	.000	2.650E-11	10.98	.79	.50	.000
66	75.0	-3.44	15.24	7.62	-3.44	.36	6.47	1.180E-03	.524	.469	6.145E-05	10.74	.78	.50	.407
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	9.133E-05	.040	.036	3.633E-07	10.74	.78	.50	.037
68															
69															
70															
71	75.0	-3.44	15.24	7.62	-3.40	5.81	6.48	1.556E-06	.001	.001	1.194E-10	10.74	.78	.50	.001
72															
73	75.0	3.53	15.24	7.62	0.00	1.15	7.36	9.528E-05	.044	.038	4.165E-07	10.49	.76	.50	.045
74															
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	9.220E-07	.000	.000	3.832E-11	10.49	.76	.50	.000
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	3.180E-06	.001	.001	4.574E-10	10.49	.76	.50	.001
77															
78	75.0	3.53	15.24	7.62	3.59	.38	8.29	9.383E-04	.436	.359	3.909E-05	10.20	.74	.50	.477
79	75.0	3.53	15.24	7.62	3.53	1.17	8.30	1.089E-04	.052	.043	5.617E-07	10.19	.74	.50	.057
80															
81															
82	75.0	7.53	15.24	7.62	3.58	5.08	8.29	3.134E-06	.002	.001	4.652E-10	10.20	.74	.50	.002
83	75.0	7.53	15.24	7.62	3.62	5.79	8.30	3.851E-06	.002	.002	7.062E-10	10.19	.74	.50	.002
84	75.0	7.37	15.24	7.62	7.37	.31	9.26	6.670E-04	.309	.240	1.844E-05	9.85	.72	.50	.669
85	75.0	7.36	15.24	7.62	7.36	1.09	9.25	1.042E-04	.053	.041	5.452E-07	9.84	.72	.50	.113
86															
87															
88															
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 11.290
PV EOS = 7.782E-02
PL EOS = 7.998E-02
DF/METER = 3.149E+06
HO = 2.554E+07(W/M2- K)
TW = 301.3 (K)
STEP = 0.300(CM)

TT = 1.020E+03(K)
PI = 5.163E+05(N/M2)
T1 = 4.811E+01(K)
P1 = 0.978E+02(N/M2)
(RHO V)1 = 1.015E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X8 = X-COOR. FROM TILE L.E.
XC = Y-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X8 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	-13.39	7.62	0.00	-7.62	5.70	-3.81	8.235E-06	.003	.003	2.781E-09	11.21	.81	.50	.003
10	90.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	2.496E-06	.001	.001	2.555E-10	11.21	.81	.50	.001
11	90.0	-11.54	7.62	0.00	-7.62	3.74	-3.81	5.153E-06	.002	.002	1.089E-09	11.21	.81	.50	.002
12															
13	90.0	-8.83	7.62	0.00	-7.62	1.14	-3.81	1.105E-04	.046	.044	5.006E-07	11.21	.81	.50	.041
14	90.0	-8.02	7.62	0.00	-7.62	.33	-3.81	1.420E-03	.588	.561	8.263E-05	11.21	.81	.50	.532
15	90.0	-7.29	7.62	0.00	-7.29	0.00	-3.65	2.579E-03	1.105	1.058	2.932E-04	11.23	.81	.50	
16	90.0	-3.83	7.62	0.00	-3.83	0.00	-1.82	3.177E-03	1.273	1.256	4.007E-04	11.47	.82	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	2.961E-03	1.170	1.170	3.431E-04	11.56	.83	.50	
18	90.0	3.54	7.62	0.00	3.54	0.00	1.77	2.723E-03	1.091	1.076	2.941E-04	11.51	.83	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	3.63	1.772E-03	.726	.700	1.275E-04	11.32	.82	.50	
20	90.0	7.97	7.62	0.00	7.62	.41	3.81	7.011E-04	.288	.277	2.000E-05	11.29	.81	.50	.397
21	90.0	8.72	7.62	0.00	7.62	1.17	3.81	1.133E-04	.047	.045	5.221E-07	11.29	.81	.50	.064
22															
23	90.0	11.25	7.62	0.00	7.62	3.70	3.81	4.515E-06	.002	.002	8.568E-10	11.29	.81	.50	.003
24															
25	90.0	12.23	7.62	0.00	7.62	5.73	3.91	2.434E-06	.001	.001	2.410E-10	11.29	.81	.50	.001
26															
27															
28															
29															
30	90.0	-8.81	11.45	3.83	-7.62	1.16	-.49	9.254E-05	.037	.037	3.364E-07	11.55	.83	.50	.029
31	90.0	-7.97	11.49	3.87	-7.62	.33	-.46	1.527E-03	.645	.643	1.043E-04	11.55	.83	.50	.507
32	90.0	-7.24	11.41	3.79	-7.24	0.00	-.34	3.213E-03	1.273	1.278	4.051E-04	11.55	.83	.50	
33	90.0	-3.71	11.54	3.92	-3.71	0.00	1.54	3.294E-03	1.318	1.302	4.298E-04	11.52	.83	.50	
34	90.0	0.00	11.57	3.95	0.00	0.00	3.42	2.711E-03	1.187	1.071	2.973E-04	11.35	.82	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	5.16	2.500E-03	1.060	.988	2.623E-04	11.05	.80	.50	
36	90.0	7.28	11.36	3.74	7.28	0.00	6.98	1.548E-03	.694	.612	1.063E-04	10.63	.77	.50	
37	90.0	7.97	11.41	3.73	7.62	.37	7.09	6.824E-04	.308	.270	2.083E-05	10.57	.77	.50	.444
38	90.0	8.75	11.36	3.74	7.62	1.15	7.05	9.833E-05	.044	.039	4.318E-07	10.58	.77	.50	.064
39															
40															
41	90.0	12.64	11.29	3.67	7.62	5.04	6.99	1.791E-06	.001	.001	1.428E-10	10.60	.77	.50	.001
42															
43	90.0	-13.37	14.37	7.35	-7.62	5.70	2.55	3.878E-07	.000	.000	6.082E-12	11.45	.82	.50	.000
44															
45															
46															
47	90.0	-8.97	14.37	7.35	-7.62	1.15	2.55	8.269E-05	.033	.032	2.690E-07	11.45	.82	.50	.030

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CF4* TEST (32), MRAC-E RSI GAPS, RUN (21) 1973

CM	GAMMA (DEG)	XSURF (CM)	XP (CM)	YC (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	60.0	-7.39	14.88	7.26	-7.62	.33	2.48	1.321E-03	.532	.522	6.964E-05	11.46	.82	.50	.489
49	60.0	-7.80	14.89	7.27	-7.30	0.00	2.64	2.599E-03	1.089	1.066	2.911E-04	11.44	.82	.50	
50	60.0	-3.63	14.95	7.33	-3.69	0.00	4.50	2.483E-03	1.036	.981	2.549E-04	11.18	.81	.50	
51	60.0	-3.49	15.02	7.40	0.00	0.00	6.41	1.952E-03	.860	.771	1.662E-04	10.76	.78	.50	
52	60.0	-3.59	14.97	7.35	3.58	0.00	8.16	1.521E-03	.772	.640	1.238E-04	10.24	.75	.50	
53	60.0	-7.24	14.78	7.16	7.24	0.00	9.82	7.499E-04	.394	.296	2.923E-05	9.63	.71	.50	
54	60.0	-7.39	14.54	7.26	7.62	.31	10.18	4.932E-04	.263	.195	1.284E-05	9.51	.70	.50	.668
55	60.0	-8.59	14.92	7.30	7.62	1.11	10.13	1.216E-04	.065	.048	7.814E-07	9.50	.70	.50	.165
56	60.0	-8.99	14.87	7.25	7.62	2.32	10.09	3.233E-07	.000	.000	5.516E-12	9.51	.70	.50	.000
57															
58	60.0	12.55	14.86	7.24	7.62	4.97	10.08	2.945E-06	.002	.001	4.574E-10	9.52	.70	.50	.004
59	60.0	13.20	14.87	7.25	7.62	5.62	10.09	2.210E-06	.001	.001	2.597E-10	9.52	.70	.50	.003
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	1.244E-03	.505	.491	6.221E-05	11.40	.82	.50	.464
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	8.817E-05	.036	.035	3.121E-07	11.41	.82	.50	.033
62															
63	60.0	-7.19	15.24	7.62	-7.19	3.71	3.00	3.759E-06	.002	.001	5.710E-10	11.40	.82	.50	.001
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	3.127E-06	.001	.001	3.933E-10	11.40	.82	.50	.001
65	60.0	-7.14	15.24	7.62	-7.14	5.63	3.03	7.293E-07	.000	.000	2.139E-11	11.40	.82	.50	.000
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.151E-03	.465	.455	5.524E-05	11.11	.80	.50	.468
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	1.056E-04	.045	.042	4.734E-07	11.11	.80	.50	.043
68															
69															
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	4.911E-14	.000	.000	1.005E-25	11.11	.80	.50	.000
71	60.0	-3.40	15.24	7.62	-3.40	5.61	4.90	1.018E-05	.004	.004	4.252E-09	11.10	.80	.50	.004
72															
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	1.124E-04	.058	.044	5.553E-07	10.71	.78	.50	.058
74															
75	60.0	0.00	15.24	7.62	0.00	3.78	6.60	3.304E-07	.000	.000	6.693E-12	10.71	.78	.50	.000
76	60.0	0.00	15.24	7.62	0.00	4.99	6.60	3.703E-07	.000	.000	6.022E-12	10.71	.78	.50	.000
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	9.322E-06	.004	.004	3.816E-09	10.71	.78	.50	.005
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	7.707E-04	.372	.305	2.842E-05	10.16	.74	.50	.483
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	1.227E-04	.059	.048	7.212E-07	10.15	.74	.50	.077
80															
81															
82															
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	1.366E-06	.001	.001	8.931E-11	10.16	.74	.50	.001
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	5.056E-04	.273	.200	1.367E-05	9.44	.70	.50	.692
85	60.0	7.35	15.24	7.62	7.36	1.09	10.28	1.177E-04	.058	.043	6.178E-07	9.44	.70	.50	.147
86															
87															
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	3.573E-06	.002	.001	6.901E-10	9.44	.70	.50	.005
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	7.325E-06	.004	.003	2.860E-09	9.44	.70	.50	.010

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

MACH = 10.230
PX E06 = 9.154E-02
PL E06 = 9.390E-02
PE/METER = 3.299E+06
HO = 2.554E+CO(W/M2- K)
TW = 301.2 (K)
STEP = 0.000(CM)

TT = 9.959E+02(K)
PI = 5.163 E+06(N/M2)
T1 = 4.688E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.032E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YC OF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.00	-7.62	5.70	-5.39	1.666E-05	.007	.007	1.195E-08	10.88	.79	.50	.006
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	1.049E-05	.005	.004	4.736E-09	10.88	.79	.50	.004
11															
12	45.0	-10.05	7.62	0.00	-7.62	2.36	-5.39	1.147E-05	.005	.005	5.663E-09	10.88	.79	.50	.004
13	45.0	-8.83	7.62	0.00	-7.62	1.14	-5.39	1.171E-04	.052	.046	5.902E-07	10.88	.79	.50	.045
14	45.0	-9.02	7.62	0.00	-7.62	.33	-5.39	1.349E-03	.597	.533	7.842E-05	10.88	.79	.50	.520
15	45.0	-7.29	7.62	0.00	-7.29	0.00	-5.16	2.624E-03	1.148	1.037	2.934E-04	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.065E-03	1.236	1.211	3.693E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.900E-03	1.146	1.146	3.236E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.764E-03	1.114	1.092	2.998E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	1.943E-03	.823	.768	1.558E-04	11.06	.80	.50	
20	45.0	7.97	7.62	0.00	7.62	.41	5.39	7.448E-04	.318	.294	2.306E-05	11.00	.80	.50	.386
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	9.647E-05	.041	.038	3.870F-07	11.00	.80	.50	.058
22	45.0	8.94	7.62	0.00	7.62	2.39	5.39	1.116E-05	.005	.004	5.182E-09	11.80	.80	.50	.006
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	5.579E-06	.002	.002	1.294E-09	11.00	.80	.50	.003
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	1.046E-05	.004	.004	4.551E-09	11.00	.80	.50	.005
25	45.0	13.28	7.62	0.00	7.62	5.73	5.39	1.407E-05	.006	.006	8.233E-09	11.00	.80	.50	.007
26	45.0	-13.35	11.38	3.76	-7.62	5.79	-2.73	1.448E-05	.006	.006	8.264E-09	11.37	.82	.50	.004
27	45.0	-12.68	11.42	3.80	-7.62	5.04	-2.70	1.318E-05	.005	.005	6.843E-09	11.37	.82	.50	.004
28															
29	45.0	-10.19	11.43	3.81	-7.62	2.44	-2.69	1.236E-05	.005	.005	6.015E-09	11.37	.82	.50	.004
30	45.0	-8.81	11.45	3.83	-7.62	1.16	-2.64	8.855E-05	.036	.035	3.887E-07	11.37	.82	.50	.027
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	1.534E-03	.660	.646	1.051E-04	11.38	.82	.50	.505
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	3.247E-03	1.308	1.283	4.136E-04	11.40	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.324E-03	1.315	1.314	4.258E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.531E-03	1.064	1.039	2.727E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.474E-03	1.053	.978	2.537E-04	11.02	.80	.50	
36	45.0	7.23	11.35	3.74	7.29	0.00	7.79	1.536E-03	.715	.607	1.069E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	6.754E-04	.320	.267	2.104E-05	10.27	.75	.50	.447
38	45.0	8.72	11.36	3.74	7.62	1.15	8.03	9.810E-05	.046	.039	4.437E-07	10.28	.75	.50	.065
39	45.0	8.95	11.42	3.80	7.62	2.35	8.08	1.347E-05	.009	.008	1.750E-08	10.27	.75	.50	.013
40	45.0	11.26	11.43	3.80	7.62	3.62	8.07	4.746E-06	.002	.002	1.039E-09	10.27	.75	.50	.003
41	45.0	11.89	11.23	3.67	7.62	5.04	7.98	5.505E-06	.003	.002	1.390E-09	10.30	.75	.50	.004
42	45.0	13.23	11.34	3.62	7.62	6.68	7.35	1.115E-05	.005	.004	5.689E-09	10.31	.75	.50	.007
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	8.526E-06	.003	.003	2.902E-09	11.55	.83	.50	.003
44	45.0	-12.67	14.96	7.33	-7.62	4.91	-.21	1.372E-05	.005	.005	7.260E-09	11.55	.83	.50	.005
45	45.0	-11.74	14.94	7.32	-7.62	3.72	-.22	8.243E-36	.003	.003	2.619E-09	11.55	.83	.50	.003
46	45.0	-11.11	14.93	7.31	-7.62	3.37	-.19	7.571E-06	.003	.003	2.269E-09	11.55	.83	.50	.003

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 16

[illegible] TEST (923), TRACE PSI GAPS, RUN (22) 1973

CM	GAMMA (DEG)	XMOM (CM)	XB (CM)	XC (CM)	Z (CM)	Y-MOD (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	-8.62	14.92	7.30	1.16	-.19	9.391E-09	.037	.037	3.408E-07	11.55	.83	.50	.034
48	45.0	-7.30	14.80	7.26	.33	-.25	1.384E-03	.532	.531	6.986E-05	11.55	.83	.50	.485
49	45.0	-7.30	14.80	7.27	0.00	-.02	2.775E-03	1.097	1.097	2.966E-04	11.56	.83	.50	
50	45.0	-3.69	14.95	7.33	0.00	2.56	2.376E-03	.956	.939	2.237E-04	11.45	.82	.50	
51	45.0	0.33	15.32	7.48	0.00	5.23	1.805E-03	.767	.713	1.349E-04	11.04	.80	.50	
52	45.0	3.50	14.97	7.35	0.00	7.73	1.445E-03	.670	.571	9.435E-05	10.38	.76	.50	
53	45.0	7.24	14.74	7.16	0.00	10.18	7.251E-04	.308	.287	2.743E-05	9.49	.70	.50	.675
54	45.0	7.69	14.88	7.26	.31	10.52	4.863E-04	.262	.190	1.226E-05	9.33	.69	.50	
55	45.0	9.69	14.92	7.30	1.11	10.55	9.958E-05	.054	.039	5.277E-07	9.32	.69	.50	.148
56	45.0	9.91	14.87	7.25	2.32	10.52	8.035E-06	.004	.003	3.438E-09	9.33	.69	.50	.011
57	45.0	11.20	14.88	7.26	3.70	10.52	1.238E-05	.007	.005	8.147E-09	9.33	.69	.50	.017
58	45.0	12.55	14.86	7.24	4.97	10.51	1.146E-05	.006	.005	6.980E-09	9.34	.69	.50	.016
59	45.0	13.23	14.97	7.29	5.62	10.52	7.148E-06	.004	.003	2.708E-09	9.33	.69	.50	.010
60	45.0	-7.14	15.24	7.62	.27	.34	1.233E-03	.468	.467	5.066E-05	11.56	.83	.50	.445
61	45.0	-7.35	15.24	7.62	-7.14	.19	6.664E-05	.026	.026	1.712E-07	11.56	.83	.50	.024
62	45.0	-7.17	15.24	7.62	-7.17	.35	5.093E-06	.002	.002	1.161E-09	11.56	.83	.50	.002
63	45.0	-7.19	15.24	7.62	-7.19	.30	1.763E-06	.001	.001	1.119E-10	11.56	.83	.50	.001
64	45.0	-7.14	15.24	7.62	-7.14	.34	2.381E-06	.001	.001	1.671E-10	11.56	.83	.50	.001
65	45.0	-7.14	15.24	7.62	-7.14	5.63	.34	4.744E-06	.002	.002	8.684E-10	11.56	.83	.50	.002
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.384E-03	.440	.428	4.643E-05	11.41	.82	.50	.459
67	45.0	-3.44	15.24	7.62	-3.44	1.19	2.95	7.426E-05	.030	.029	2.479E-07	11.41	.82	.50	.031
68	45.0	-3.45	15.24	7.62	-3.45	2.44	2.95	1.198E-05	.005	.005	5.579E-09	11.41	.82	.50	.005
69	45.0	-3.50	15.24	7.62	-3.50	3.74	2.91	6.332E-06	.003	.002	1.568E-09	11.41	.82	.50	.003
70															
71	45.0	-3.43	15.24	7.62	-3.43	5.81	2.98	8.330E-06	.004	.004	3.153E-09	11.40	.82	.50	.004
72	45.0	0.00	15.24	7.62	0.00	.38	5.39	7.217E-06	.003	.003	2.166E-09	11.40	.80	.50	.004
73	45.0	0.00	15.24	7.62	0.00	1.15	5.39	1.213E-04	.052	.048	6.116E-07	11.00	.80	.50	.067
74															
75	45.0	0.00	15.24	7.62	0.00	3.70	5.39	4.495E-06	.002	.002	8.402E-10	11.00	.80	.50	.003
76	45.0	0.00	15.24	7.62	0.00	4.93	5.39	3.362E-06	.002	.002	6.329E-10	11.00	.80	.50	.002
77	45.0	0.00	15.24	7.62	0.00	5.74	5.39	6.331E-06	.003	.003	1.667E-09	11.00	.80	.50	.004
78	45.0	3.59	15.24	7.62	3.59	.34	7.93	7.162E-04	.331	.279	2.203E-05	10.32	.75	.50	.495
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	1.025E-04	.043	.041	4.814E-07	10.31	.75	.50	.022
80	45.0	3.65	15.24	7.62	3.65	2.42	7.93	1.751E-05	.008	.007	1.441E-08	10.31	.75	.50	.012
81	45.0	3.65	15.24	7.62	3.65	3.75	7.93	3.182E-06	.001	.001	4.623E-10	10.33	.75	.50	.002
82	45.0	3.58	15.24	7.62	3.58	5.08	7.92	5.221E-06	.002	.002	1.246E-09	10.32	.75	.50	.004
83	45.0	3.62	15.24	7.62	3.62	5.79	7.95	1.517E-05	.007	.006	1.054E-08	10.31	.75	.50	.011
84	45.0	7.32	15.24	7.62	7.32	.31	10.57	5.041E-04	.274	.139	1.333E-05	9.31	.69	.50	.704
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	1.022E-04	.055	.046	5.353E-07	9.30	.69	.50	.141
86	45.0	7.38	15.24	7.62	7.38	2.36	10.59	8.918E-06	.005	.004	4.242E-08	9.30	.69	.50	.013
87	45.0														
88	45.0														
89	45.0														
90	45.0														
91	45.0														
92	45.0														
93	45.0														
94	45.0														
95	45.0														
96	45.0														
97	45.0														
98	45.0														
99	45.0														
100	45.0	7.69	14.88	7.26	7.62	10.57	7.219E-06	.004	.033	2.777E-09	9.31	.69	.50	.010
101	45.0	7.33	15.24	7.62	7.33	11.57	8.566E-06	.005	.033	3.910E-09	9.31	.69	.50	.112
102	45.0	7.35	15.24	7.62	7.35	13.59	9.945E-06	.005	.034	5.275E-09	9.31	.69	.50	.014

3.4- 44

MACH = 17.293
P0 FOR = 1.000E+05
PI FOR = 8.375E-02
P0/MEFFP = 3.297E+05
H0 = 2.664E+03(M/M2- M)
TW =656.0 (K)
STEP = 0.001(CM)

TT = 9.955E+02(K)
PI = 5.167E+06(N/M2)
T1 = 4.691E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.032E+01(KG/M2-S)
GAP = .229 (CM)
CONF =IN-L

T94/TT =1.495 FOR HT/H0
XSURF =SURFACE DISTANCE (FLOW DIRECTION) ([illegible] OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TM	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/H0	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	2.427E-06	.001	.001	2.823E-10	10.24	.74	.50	.001
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	3.567E-06	.002	.001	6.235E-10	10.24	.74	.50	.002
12															
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	7.213E-05	.035	.029	2.493E-07	10.24	.74	.50	.035
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	9.521E-04	.468	.375	4.343E-05	10.24	.74	.50	.468
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	2.056E-03	1.000	.816	2.812E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	2.909E-03	1.200	1.150	3.400E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.952E-03	1.166	1.166	3.353E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	2.950E-03	1.166	1.126	3.238E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	2.423E-03	1.101	.957	2.598E-04	10.52	.77	.50	
21	0.0	0.00	7.62	0.00	7.62	.41	7.62	1.014E-03	.467	.401	4.610E-05	10.41	.76	.50	.424
22	0.0	0.00	7.62	0.00	7.62	1.17	7.62	1.010E-04	.046	.040	4.485E-07	10.41	.76	.50	.042
23	0.0	0.00	7.62	0.00	7.62	2.39	7.62	6.151E-06	.003	.002	1.642E-09	10.41	.76	.50	.003
24	0.0	0.00	7.62	0.00	7.62	3.75	7.62	5.525E-06	.003	.002	1.419E-09	10.41	.76	.50	.002
25	0.0	0.00	7.62	0.00	7.62	5.07	7.62	7.255E-06	.003	.003	2.363E-09	10.41	.76	.50	.003
26	0.0	0.00	7.62	0.00	7.62	5.73	7.62	2.742E-06	.001	.001	3.373E-10	10.41	.76	.50	.001
27	0.0	-3.80	3.82	-3.76	-7.62	5.70	-7.62	1.154E-06	.001	.000	6.383E-11	10.24	.74	.50	.001
28	0.0	-3.80	3.82	-3.80	-7.62	5.04	-7.62	1.038E-06	.001	.000	5.167E-11	10.24	.74	.50	.000
29															
30	0.0	-3.83	3.79	-3.83	-7.62	1.16	-7.62	6.183E-05	.030	.024	1.831E-07	10.24	.74	.50	.028
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.123E-03	.553	.444	6.044E-05	10.24	.74	.50	.507
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	2.257E-03	1.090	.892	2.395E-04	10.36	.75	.50	
33	0.0	-3.83	3.79	-3.83	-3.71	0.00	-3.71	2.991E-03	1.236	1.182	3.593E-04	11.22	.81	.50	
34	0.0	-3.85	3.67	-3.85	0.00	0.00	0.00	2.995E-03	1.184	1.184	3.452E-04	11.56	.83	.50	
35	0.0	-3.83	3.73	-3.83	3.59	0.00	3.59	2.886E-03	1.192	1.140	3.322E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.28	0.00	7.28	2.353E-03	1.074	.934	2.473E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.058E-03	.492	.422	5.117E-05	10.41	.76	.50	.458
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	8.338E-05	.038	.033	3.117E-07	10.41	.76	.50	.036
39	0.0	-3.80	3.82	-3.80	7.62	2.35	7.62	1.956E-06	.001	.001	1.545E-10	10.41	.76	.50	.001
40	0.0	-3.83	3.82	-3.83	7.62	3.62	7.62	4.523E-06	.002	.002	9.172E-10	10.41	.76	.50	.002
41	0.0	-3.87	3.95	-3.87	7.62	5.04	7.62	1.010E-05	.005	.004	4.577E-09	10.41	.76	.50	.004
42															
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	3.088E-06	.002	.001	4.567E-10	10.24	.74	.50	.001
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	1.823E-06	.001	.001	1.592E-10	10.24	.74	.50	.001
45	0.0	-7.32	.30	-7.32	-7.62	3.72	-7.62	2.211E-06	.001	.001	2.343E-10	10.24	.74	.50	.001
46															
47	0.0	-7.35	.27	-7.35	-7.62	1.15	-7.62	7.271E-05	.036	.029	2.533E-07	10.24	.74	.50	.034

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (32), MDAC-E RSI GAPS, RUN (23) 1973 PAGE 244

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	1.085E-03	.524	.421	5.438E-05	10.24	.74	.50	.509
49	0.0	-7.27	.35	-7.27	-7.30	0.00	-7.30	2.167E-03	1.049	.856	2.214E-04	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	0.00	-3.69	2.532E-03	1.846	1.008	2.578E-04	11.23	.81	.50	
51	0.0	-7.40	.22	-7.40	0.00	0.00	0.00	2.375E-03	.938	.938	2.171E-04	11.56	.83	.50	
52	0.0	-7.58	.04	-7.58	3.58	0.00	3.58	2.222E-03	.918	.878	1.970E-04	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	1.704E-03	.774	.673	1.284E-04	10.53	.77	.50	
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	9.507E-04	.438	.376	4.052E-05	10.41	.76	.50	.566
55	0.0	-7.33	.32	-7.30	7.62	1.11	7.62	9.254E-05	.043	.037	3.840E-07	10.41	.76	.50	.055
56	0.0	-7.25	.37	-7.25	7.62	2.32	7.62	1.134E-05	.005	.004	5.764E-09	10.41	.76	.50	.007
57	0.0	-7.26	.36	-7.26	7.62	3.70	7.62	7.485E-06	.003	.003	2.512E-09	10.41	.76	.50	.004
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	5.552E-06	.003	.002	1.382E-09	10.41	.76	.50	.003
59															
60	0.0	-7.95	0.00	-7.62	-7.14	.27	-7.14	1.221E-03	.587	.482	6.972E-05	10.39	.75	.50	.559
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	7.396E-05	.037	.030	2.726E-07	10.33	.75	.50	.035
62															
63															
64	0.0	-12.66	0.00	-7.62	-7.14	5.02	-7.14	7.853E-07	.000	.000	2.885E-11	10.39	.75	.50	.000
65															
65	0.0	-7.99	0.00	-7.62	-3.44	.35	-3.44	1.271E-03	.522	.502	6.467E-05	11.27	.81	.50	.580
67	0.0	-8.81	0.00	-7.62	-3.44	1.19	-3.44	8.332E-05	.034	.033	2.778E-07	11.27	.81	.50	.033
68															
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	5.248E-06	.002	.002	1.184E-09	11.26	.81	.50	.002
70															
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	1.528E-06	.001	.001	9.330E-11	11.27	.81	.50	.001
72															
73	0.0	-8.85	0.00	-7.62	0.00	1.15	0.00	9.202E-05	.036	.036	3.258E-07	11.56	.83	.50	.039
74	0.0	-10.37	0.00	-7.62	0.00	2.37	0.00	1.728E-06	.001	.001	1.149E-10	11.56	.83	.50	.001
75	0.0	-11.40	0.00	-7.62	0.00	3.70	0.00	5.444E-06	.002	.002	1.140E-09	11.56	.83	.50	.002
76	0.0	-12.69	0.00	-7.62	0.00	4.99	0.00	3.342E-07	.000	.000	4.828E-12	11.56	.83	.50	.000
77	0.0	-13.49	0.00	-7.62	0.00	5.74	0.00	4.795E-06	.002	.002	8.847E-10	11.56	.83	.50	.002
78	0.0	-8.04	0.00	-7.62	3.59	.38	3.59	9.788E-04	.401	.387	3.822E-05	11.32	.82	.50	.448
79	0.0	-8.82	0.00	-7.62	3.63	1.17	3.63	1.035E-04	.042	.041	4.275E-07	11.32	.82	.50	.047
80	0.0	-10.07	0.00	-7.62	3.60	2.42	3.60	5.853E-06	.002	.002	1.367E-09	11.32	.82	.50	.003
81															
82															
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	1.551E-06	.001	.001	9.597E-11	11.32	.82	.50	.001
84	0.0	-7.80	0.00	-7.62	7.33	.31	7.33	1.086E-03	.495	.429	5.235E-05	10.50	.76	.50	.640
85	0.0	-8.58	0.00	-7.62	7.36	1.09	7.36	8.418E-05	.038	.033	3.141E-07	10.49	.76	.50	.050
86	0.0	-9.85	0.00	-7.62	7.36	2.36	7.36	6.243E-06	.004	.003	3.018E-09	10.49	.76	.50	.005
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	6.589E-06	.003	.003	1.926E-09	10.50	.76	.50	.004
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	1.250E-06	.001	.000	6.930E-11	10.50	.76	.50	.001
89	0.0	-13.15	0.00	-7.62	7.35	5.66	7.35	1.132E-05	.005	.005	5.890E-09	10.50	.76	.50	.007

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH = 10.295
P/ PIE = 3.342E-01
PI PIE = 8.354E-02
PE/METER = 3.289E+05
HO = 2.554E+00(M/M2- M)
TW = 302.4 (K)
STEP = 3.000(CM)

TT = 9.977E+02(K)
PI = 5.166 E+06(N/M2)
TI = 4.697E+01(K)
PI = 0.932E+02(N/M2)
(RHO V)I = 1.031E+01(KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TSW/TT =1.000 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) =1.0 FOR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

SW	GAMA (DEG)	XSURF (FT)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	3.00	-7.62	5.70	-7.55	5.070E-06	.002	.002	1.229E-09	10.26	.75	.50	.002
10															
11															
12															
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	7.310E-05	.036	.029	2.554E-07	10.26	.75	.50	.035
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	9.860E-04	.484	.390	4.647E-05	10.26	.75	.50	.473
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	2.117E-03	1.022	.836	2.188E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	2.909E-03	1.199	1.149	3.401E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	2.959E-03	1.169	1.169	3.373E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	2.844E-03	1.163	1.124	3.226E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.302E-03	1.044	.910	2.343E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	9.256E-04	.425	.366	3.836E-05	10.43	.76	.50	.407
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	9.834E-05	.045	.039	4.330E-07	10.43	.76	.50	.043
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	6.396E-08	.000	.000	1.831E-13	10.43	.76	.50	.000
23															
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	6.444E-06	.003	.003	1.859E-09	10.43	.76	.50	.003
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	5.060E-07	.000	.000	1.146E-11	10.43	.76	.50	.000
26															
27															
28															
29															
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	6.559E-05	.033	.026	2.117E-07	10.09	.73	.50	.030
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.114E-03	.562	.440	6.104E-05	10.09	.73	.50	.517
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	2.205E-03	1.088	.871	2.339E-04	10.22	.74	.50	
33	7.5	-3.82	3.80	-3.82	-3.71	0.00	-4.19	2.901E-03	1.220	1.146	3.458E-04	11.14	.80	.58	
34	7.5	-3.85	3.67	-3.85	0.00	0.00	-.52	2.995E-03	1.189	1.184	3.471E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.05	2.978E-03	1.210	1.177	3.512E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	2.398E-03	1.064	.943	2.476E-04	10.68	.78	.58	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	1.036E-03	.457	.409	4.719E-05	10.58	.77	.50	.439
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	6.938E-05	.031	.027	2.118E-07	10.58	.77	.50	.029
39															
40															
41															
42	7.5	-3.62	-.00	-3.62	7.62	5.69	7.08	3.026E-06	.001	.001	4.030E-10	10.58	.77	.50	.001
43															
44															
45	7.5	-7.62	.00	-7.62	-7.62	7.72	-8.51	2.451E-06	.001	.001	3.035E-10	9.92	.72	.50	.001
46															
47	7.5	-7.62	.00	-7.62	-7.62	1.16	-8.51	7.138E-05	.037	.028	2.574E-07	9.92	.72	.50	.039

CEHT TEST (32), MDAC-E PSI GAPS, RUN (24) 1973

PH	GAMMA (DEG)	YSLOPE (CM)	YB (CM)	XP (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	7.5	-7.25	.35	-7.26	-7.62	.33	-8.50	9.004E-04	.466	.356	4.093E-05	9.93	.72	.50	.489
49	7.5	-7.27	.35	-7.27	-7.33	0.00	-8.19	1.875E-03	.954	.741	1.743E-04	10.04	.73	.50	
50	7.5	-7.33	.29	-7.33	-3.69	0.00	-4.61	2.371E-03	1.014	.937	2.344E-04	11.05	.80	.50	
51	7.5	-7.41	.22	-7.40	0.00	3.00	-.97	2.371E-03	.944	.937	2.183E-04	11.53	.83	.50	
52	7.5	-7.54	.04	-7.54	3.58	0.00	2.56	2.379E-03	.959	.949	2.225E-04	11.45	.82	.50	
53	7.5	-7.15	.46	-7.15	7.24	0.00	6.25	1.842E-03	.807	.728	1.449E-04	10.80	.78	.50	
54	7.5	-7.26	.36	-7.26	7.62	.31	6.51	1.000E-03	.444	.395	4.325E-05	10.71	.78	.50	.550
55	7.5	-7.33	.32	-7.33	7.62	1.11	6.60	9.760E-05	.043	.038	4.075E-07	10.71	.78	.50	.053
56															
57	7.5	-7.26	.36	-7.26	7.62	3.70	6.61	3.435E-06	.002	.001	5.193E-10	10.71	.78	.50	.002
58															
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	3.493E-06	.002	.001	5.277E-10	10.71	.78	.50	.002
60	7.5	-7.45	0.00	-7.62	-7.14	.27	-8.88	1.032E-03	.521	.408	5.246E-05	10.08	.73	.50	.547
61	7.5	-8.75	0.00	-7.62	-7.35	1.17	-8.28	6.342E-05	.032	.025	2.005E-07	10.01	.73	.50	.034
62	7.5	-8.92	0.00	-7.62	-7.13	2.34	-8.06	1.841E-06	.001	.001	1.667E-10	10.09	.73	.50	.001
63	7.5	-11.29	0.00	-7.62	-7.19	3.71	-8.12	6.264E-07	.000	.000	1.939E-11	10.06	.73	.50	.000
64															
65															
66	7.5	-7.99	1.00	-7.62	-3.44	.36	-4.41	1.206E-03	.512	.477	6.020E-05	11.09	.80	.50	.505
67	7.5	-8.81	0.00	-7.62	-3.44	1.19	-4.41	8.184E-05	.034	.032	2.717E-07	11.09	.80	.50	.034
68															
69															
70	7.5	-16.65	0.00	-7.62	-3.46	5.04	-4.43	5.036E-14	.000	.000	1.053E-25	11.09	.80	.50	.000
71	7.5	-13.42	0.00	-7.62	-3.40	5.81	-4.37	1.007E-05	.004	.004	4.184E-09	11.10	.80	.50	.004
72															
73	7.5	-8.85	0.00	-7.62	0.00	1.15	-.99	9.116E-05	.036	.036	3.227E-07	11.52	.83	.50	.038
74	7.5	-10.07	0.00	-7.62	0.00	2.37	-.99	8.215E-06	.003	.003	2.620E-09	11.52	.83	.50	.003
75															
76															
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	7.775E-07	.000	.000	2.347E-11	11.52	.83	.50	.000
78	7.5	-8.24	0.00	-7.62	3.59	.39	2.57	1.348E-03	.423	.414	4.320E-05	11.45	.82	.50	.441
79	7.5	-8.92	0.00	-7.62	3.63	1.17	2.60	1.017E-04	.041	.040	4.072E-07	11.44	.82	.50	.043
80															
81	7.5	-11.41	0.00	-7.62	3.66	3.76	2.53	1.119E-06	.000	.000	4.917E-11	11.45	.82	.50	.000
82															
83	7.5	-13.44	0.00	-7.62	3.62	5.79	2.59	9.601E-06	.004	.004	3.625E-09	11.44	.82	.50	.004
84	7.5	-7.82	0.00	-7.62	7.33	.31	6.27	1.157E-03	.512	.461	5.823E-05	10.80	.78	.50	.634
85	7.5	-8.59	0.00	-7.62	7.36	1.09	6.30	8.266E-05	.036	.033	2.918E-07	10.79	.78	.50	.045
86															
87															
88	7.5	-12.57	0.00	-7.62	7.37	5.03	6.27	7.529E-07	.000	.000	2.423E-11	10.80	.78	.50	.000
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

(CHT TEST (92), MDAC-E RSI GAPS, RUN (25) 1973 PAGE 247

MACH = 10.290
RX EQ6 = 3.345E-01
PL EQ6 = 6.363E-02
PE/METER = 3.292E+06
MO = 2.554E+00(N/M2- K)
TW = 302.5 (K)
STEP = 0.000(CM)

TT = 9.970E+02(K)
PI = 5.163E+06(N/M2)
T1 = 4.694E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.031E+01(KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES|GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	6.185E-06	.003	.002	1.811E-09	10.32	.75	.50	.003
10															
11															
12	15.0	0.00	7.62	0.00	-7.62	2.36	-7.36	1.514E-06	.001	.001	1.559E-10	10.32	.75	.50	.001
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	8.811E-05	.039	.032	3.039E-07	10.32	.75	.50	.038
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	1.007E-03	.489	.398	4.799E-05	10.32	.75	.50	.475
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	2.152E-03	1.029	.858	2.159E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	2.918E-03	1.281	1.153	3.416E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	2.935E-03	1.168	1.168	3.317E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	2.821E-03	1.152	1.115	3.168E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.179E-03	.982	.861	2.085E-04	10.59	.77	.50	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	8.559E-04	.398	.338	3.257E-05	10.49	.76	.50	.398
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	9.897E-05	.845	.839	4.354E-07	10.49	.76	.50	.846
22															
23															
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	1.472E-06	.001	.001	9.638E-11	10.49	.76	.50	.001
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	2.544E-06	.001	.001	2.878E-10	10.49	.76	.50	.001
26	15.0	-3.76	3.86	-3.76	-7.62	5.70	-8.33	1.488E-07	.000	.000	1.095E-12	9.99	.73	.50	.000
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	4.063E-06	.000	.000	8.259E-14	9.98	.73	.50	.000
28															
29															
30	15.0	-3.83	3.79	-3.83	-7.62	1.15	-8.35	7.342E-05	.038	.029	2.698E-07	9.98	.73	.50	.034
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	1.136E-03	.584	.449	6.461E-05	9.98	.73	.50	.520
32	15.0	-3.73	3.93	-3.79	-7.24	0.00	-7.98	2.232E-03	1.121	.882	2.440E-04	10.12	.74	.50	
33	15.0	-3.92	3.74	-3.92	-3.71	0.00	-4.60	2.843E-03	1.216	1.123	3.370E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	2.341E-03	1.172	1.162	3.360E-04	11.52	.83	.50	
35	15.0	-3.89	3.73	-3.89	3.59	0.00	2.46	3.061E-03	1.233	1.210	3.679E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.86	2.415E-03	1.052	.954	2.477E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	1.038E-03	.453	.407	6.551E-05	10.77	.78	.50	.431
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	7.294E-05	.032	.029	2.202E-07	10.76	.78	.50	.031
39															
40	15.0	-3.80	3.82	-3.80	7.62	3.62	6.38	7.738E-06	.003	.003	2.562E-09	10.77	.78	.50	.003
41	15.0	-3.67	3.95	-3.67	7.62	5.04	6.41	2.599E-06	.001	.001	3.128E-10	10.76	.78	.50	.001
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	5.487E-06	.002	.002	1.256E-09	10.76	.78	.50	.002
43	15.0	-7.37	.27	-7.35	-7.62	5.70	-9.26	1.766E-06	.001	.001	1.642E-10	9.63	.71	.50	.001
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	2.325E-06	.001	.001	2.846E-10	9.63	.71	.50	.001
45	15.0	-7.32	.31	-7.32	-7.62	3.72	-9.25	4.751E-06	.003	.002	1.193E-09	9.63	.71	.50	.003
46	15.0	-7.36	.26	-7.36	-7.62	2.37	-9.26	4.309E-06	.002	.002	9.777E-10	9.63	.71	.50	.003
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	7.370E-05	.040	.029	2.868E-07	9.63	.71	.50	.045

246

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 248

CFHT TEST (921, MDAC-E RSI GAPS, RUN (25) 1973

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	- NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	15.0	-7.26	.35	-7.26	-7.62	.33	-9.24	8.316E-04	.454	.338	3.665E-05	9.64	.71	.50	.508
49	15.0	-7.27	.35	-7.27	-7.38	0.00	-8.93	1.672E-03	.807	.661	1.445E-04	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	2.291E-03	1.116	.905	2.269E-04	10.86	.79	.50	
51	15.0	-7.48	.22	-7.48	0.00	3.00	-1.92	2.385E-03	.925	.911	2.078E-04	11.46	.82	.50	
52	15.0	-7.58	.84	-7.58	3.58	0.00	1.58	2.588E-03	1.088	.908	2.436E-04	11.53	.83	.50	
53	15.0	-7.16	.86	-7.16	7.24	0.00	5.19	1.671E-03	.835	.729	1.688E-04	11.86	.88	.50	.553
54	15.0	-7.24	.36	-7.26	7.62	.31	5.68	1.878E-03	.462	.426	4.851E-05	10.98	.79	.50	.551
55	15.0	-7.33	.32	-7.38	7.62	1.11	5.07	8.910E-05	.038	.035	3.318E-07	10.92	.79	.50	.846
56															
57															
58															
59															
60	15.0	-7.45	0.00	-7.62	-7.14	.27	-8.87	9.120E-04	.442	.368	4.287E-05	9.79	.72	.50	.544
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.07	6.076E-05	.032	.024	1.923E-07	9.71	.71	.50	.037
62															
63	15.0	-11.23	0.00	-7.62	-7.19	3.71	-8.92	6.775E-06	.004	.003	2.372E-09	9.77	.71	.50	.004
64	15.0	-12.63	0.00	-7.62	-7.14	5.02	-8.87	3.376E-06	.002	.001	5.872E-10	9.79	.72	.50	.002
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	5.324E-06	.003	.002	1.630E-09	9.79	.72	.50	.003
66	15.0	-7.34	0.00	-7.62	-3.44	.36	-5.30	1.157E-03	.514	.461	5.846E-05	10.90	.79	.50	.506
67	15.0	-8.91	0.00	-7.62	-3.44	1.19	-5.30	8.529E-05	.038	.034	3.195E-07	10.98	.79	.50	.037
68															
69	15.0	-11.35	0.00	-7.62	-3.53	3.74	-5.35	1.825E-06	.001	.001	1.432E-10	10.89	.79	.50	.001
70	15.0	-12.66	0.00	-7.62	-3.46	5.04	-5.32	4.859E-14	.000	.000	1.014E-25	10.90	.79	.50	.000
71															
72															
73	15.0	-8.45	0.00	-7.62	3.00	1.15	-1.97	9.380E-05	.038	.037	3.442E-07	11.45	.82	.50	.041
74															
75	15.0	-11.44	0.00	-7.62	0.00	3.70	-1.97	4.722E-06	.002	.002	8.722E-10	11.45	.82	.50	.002
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	1.147E-05	.005	.005	5.143E-09	11.45	.82	.50	.005
77															
78	15.0	-9.04	0.00	-7.62	3.59	.38	1.50	1.102E-03	.441	.435	4.732E-05	11.53	.83	.50	.441
79	15.0	-8.82	0.00	-7.62	3.60	1.17	1.53	1.031E-04	.041	.046	4.632E-07	11.52	.83	.50	.041
80	15.0	-10.09	0.00	-7.62	3.60	2.62	1.51	1.397E-05	.006	.006	7.606E-09	11.53	.83	.50	.006
81	15.0	-11.41	0.00	-7.62	3.56	3.75	1.46	6.903E-06	.003	.003	1.903E-09	11.53	.83	.50	.003
82	15.0	-12.73	0.00	-7.62	3.56	5.09	1.49	3.462E-06	.001	.001	4.670E-10	11.53	.83	.50	.001
83	15.0	-13.34	0.00	-7.62	3.62	5.79	1.52	4.857E-05	.002	.002	9.235E-10	11.53	.83	.50	.002
84	15.0	-7.33	0.00	-7.62	7.33	.31	5.11	1.244E-03	.526	.492	6.344E-05	11.06	.80	.50	.531
85	15.0	-9.04	0.00	-7.62	7.34	1.23	5.14	9.394E-05	.038	.036	3.407E-07	11.06	.80	.50	.846
86	15.0	-9.04	0.00	-7.62	7.36	2.36	5.14	1.531E-06	.001	.001	1.393E-10	11.06	.80	.50	.001
87	15.0	-11.41	0.00	-7.62	7.34	3.74	5.11	2.435E-06	.001	.001	2.446E-10	11.06	.80	.50	.001
88	15.0	-11.41	0.00	-7.62	7.33	5.03	5.11	7.512E-06	.003	.003	2.393E-09	11.06	.80	.50	.004
89	15.0	-13.03	0.00	-7.62	7.35	5.69	5.13	9.149E-07	.000	.000	3.455E-11	11.06	.80	.50	.000

CENT TEST (92), MOAC-E RSI GAPS, RUN (26) 1973 PAGE 249

MACH = 10.298
RX E06 = 3.328E-01
PL E06 = 8.319E-02
RE/METER = 3.275E+06
HO = 2.454E+08(W/M2- K)
TW = 302.7 (K)
STEP = 0.008(CM)

TT = 9.988E+02(K)
PI = 5.161E+06(N/M2)
T1 = 4.787E+01(K)
P1 = 0.988E+02(N/M2)
(RHO V)1 = 1.829E+01(KG/M2-S)
GAP = .229 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	9.525E-06	.004	.004	4.142E-09	10.56	.77	.50	.004
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	5.196E-06	.002	.002	1.233E-09	10.56	.77	.50	.002
11															
12															
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	8.182E-05	.038	.032	3.056E-07	10.56	.77	.50	.038
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	1.051E-03	.496	.419	5.139E-05	10.56	.77	.50	.489
15	30.0	0.00	7.62	1.30	-7.29	0.00	-6.32	2.282E-03	1.015	.870	2.102E-04	10.64	.77	.50	
16	30.0	0.00	7.62	3.30	-3.63	0.00	-3.15	2.955E-03	1.206	1.167	3.481E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	2.890E-03	1.142	1.142	3.223E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	2.807E-03	1.141	1.109	3.127E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.023E-03	.807	.799	1.753E-04	10.79	.78	.50	
20	30.0	0.00	7.62	0.00	7.62	.41	6.60	7.748E-04	.343	.306	2.595E-05	10.71	.78	.50	.387
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.028E-04	.046	.041	4.577E-07	10.71	.78	.50	.051
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	8.608E-07	.000	.000	3.203E-11	10.71	.78	.50	.000
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	5.118E-06	.002	.002	1.134E-09	10.71	.78	.50	.003
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	2.177E-06	.001	.001	2.053E-10	10.71	.78	.50	.001
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	3.325E-06	.001	.001	4.708E-10	10.71	.78	.50	.002
26	30.0	-3.76	3.86	-3.76	-7.62	5.70	-8.48	8.454E-07	.000	.000	3.610E-11	9.93	.72	.50	.000
27															
28															
29	30.0	-3.81	3.81	-3.81	-7.62	2.44	-8.51	5.745E-07	.000	.000	1.670E-11	9.93	.72	.50	.000
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	7.205E-05	.037	.028	2.627E-07	9.92	.72	.50	.034
31	30.0	-3.97	3.75	-3.97	-7.62	.33	-8.53	1.077E-03	.558	.425	5.871E-05	9.91	.72	.50	.514
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	2.137E-03	1.086	.844	2.265E-04	10.05	.73	.50	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	2.748E-03	1.203	1.086	3.228E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	2.939E-03	1.180	1.161	3.386E-04	11.45	.82	.50	
35	30.0	-3.89	3.73	-3.89	3.59	0.00	1.17	3.164E-03	1.262	1.250	3.899E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	2.425E-03	1.011	.958	2.393E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	1.005E-03	.421	.397	4.133E-05	11.14	.80	.50	.417
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	7.550E-05	.032	.030	2.336E-07	11.14	.80	.50	.031
39															
40															
41	30.0	-3.67	3.95	-3.67	7.62	5.04	4.77	2.222E-06	.001	.001	2.025E-10	11.13	.80	.50	.001
42	30.0	-3.69	4.00	-3.62	7.62	5.68	4.79	5.030E-06	.002	.002	1.038E-09	11.13	.80	.50	.002
43	30.0	-7.35	.27	-7.35	-7.62	5.70	-10.27	5.662E-06	.003	.002	1.784E-09	9.20	.68	.50	.004
44	30.0	-7.33	.29	-7.33	-7.62	4.91	-10.26	4.905E-07	.000	.000	1.284E-11	9.21	.68	.50	.000
45	30.0	-7.32	.30	-7.32	-7.62	3.72	-10.26	2.045E-06	.001	.001	2.326E-10	9.21	.68	.50	.001
46															
47	30.0	-7.35	.27	-7.35	-7.62	1.16	-10.27	8.787E-05	.039	.027	2.563E-07	9.20	.68	.50	.047

CM	GAMMA (DEG)	YCNTR (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
46	30.0	-7.25	.35	-7.26	-7.62	.33	-10.23	7.384E-04	.424	.292	3.027E-05	9.22	.68	.50	.505
47	30.0	-7.27	.35	-7.27	-7.39	1.00	-9.96	1.483E-03	.831	.586	1.204E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	3.00	-6.86	2.152E-03	1.019	.850	2.141E-04	10.48	.76	.50	
51	30.0	-7.43	.22	-7.43	3.00	3.00	-3.70	2.335E-03	.96*	.923	2.201E-04	11.22	.81	.50	
52	30.0	-7.49	.04	-7.50	3.58	3.00	-.69	2.673E-03	1.062	1.056	2.772E-04	11.54	.83	.50	
53	30.0	-7.19	.48	-7.16	7.24	3.00	2.69	2.037E-03	.823	.805	1.637E-04	11.43	.82	.50	
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	1.124E-03	.456	.444	5.010E-05	11.40	.82	.50	.554
55	30.0	-7.32	.32	-7.30	7.62	1.11	2.95	1.059E-04	.043	.042	4.531E-07	11.41	.82	.50	.053
56	30.0	-7.[illegible]	.37	-7.25	7.62	2.32	2.97	1.033E-05	.004	.004	4.227E-09	11.40	.82	.50	.005
57	30.0	-7.26	.35	-7.26	7.62	3.73	2.97	6.336E-06	.003	.003	1.621E-09	11.40	.82	.50	.003
58															
59															
60	30.0	-7.95	0.00	-7.62	-7.14	.27	-10.00	7.912E-04	.444	.313	3.434E-05	9.32	.69	.50	.535
61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	6.756E-05	.038	.027	2.527E-07	9.25	.68	.50	.045
62	30.0	-9.92	0.00	-7.62	-7.13	2.34	-9.98	2.558E-06	.001	.001	3.587E-10	9.33	.69	.50	.002
63	30.0	-11.29	0.00	-7.62	-7.19	3.71	-10.04	2.468E-06	.001	.001	3.394E-10	9.31	.68	.50	.002
64	30.0	-12.61	0.00	-7.62	-7.14	5.02	-9.99	5.883E-07	.000	.000	1.899E-11	9.33	.69	.50	.000
65	30.0	-13.22	0.00	-7.62	-7.14	5.63	-9.99	1.594E-06	.001	.001	1.555E-10	9.32	.69	.50	.001
66	30.0	-7.94	0.00	-7.62	-3.44	.36	-6.79	1.099E-03	.514	.438	5.464E-05	10.50	.76	.50	.504
67	30.0	-8.91	0.00	-7.62	-3.44	1.19	-6.79	9.321E-05	.044	.037	4.005E-07	10.50	.76	.50	.043
68	30.0	-10.26	0.00	-7.62	-3.45	2.44	-6.80	4.728E-06	.002	.002	1.031E-09	10.50	.76	.50	.002
69															
70	30.0	-12.55	0.00	-7.62	-3.46	5.04	-6.81	4.512E-14	.000	.000	9.396E-26	10.50	.76	.50	.000
71	30.0	-13.43	0.00	-7.62	-3.41	5.81	-6.76	1.108E-05	.005	.004	5.646E-09	10.51	.76	.50	.005
72	30.0	-8.27	0.00	-7.62	0.00	.39	-3.81	2.263E-06	.001	.001	2.072E-10	11.21	.81	.50	.001
73	30.0	-8.85	0.00	-7.62	0.00	1.15	-3.81	9.828E-05	.041	.039	3.906E-07	11.21	.81	.50	.042
74	30.0	-10.07	0.00	-7.62	0.00	2.37	-3.81	3.737E-06	.002	.001	5.648E-10	11.21	.81	.50	.002
75	30.0	-11.43	0.00	-7.62	0.00	3.70	-3.81	8.241E-07	.000	.000	2.746E-11	11.21	.81	.50	.000
76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	4.810E-06	.002	.002	9.357E-10	11.21	.81	.50	.002
77	30.0	-13.34	0.00	-7.62	0.00	5.74	-3.81	3.513E-06	.001	.001	5.279E-10	11.21	.81	.50	.002
78	30.0	-8.34	0.00	-7.62	3.59	.38	-.70	1.196E-03	.471	.469	5.456E-05	11.54	.83	.50	.444
79	30.0	-8.92	0.00	-7.62	3.63	1.17	-.67	9.497E-05	.039	.038	3.499E-07	11.54	.83	.50	.036
80	30.0	-10.07	0.00	-7.62	3.60	2.42	-.69	1.745E-06	.001	.001	1.181E-10	11.54	.83	.50	.001
81															
82	30.0	-12.71	0.00	-7.62	3.58	5.08	-.71	4.549E-06	.002	.002	8.384E-10	11.54	.83	.50	.002
83	30.0	-13.44	0.00	-7.62	3.62	5.79	-.68	6.626E-08	.000	.000	1.703E-13	11.54	.83	.50	.000
84	30.0	-7.24	0.00	-7.62	7.33	.31	2.54	1.291E-03	.516	.506	6.461E-05	11.45	.82	.50	.628
85	30.0	-8.83	0.00	-7.62	7.36	1.09	2.56	8.374E-05	.036	.035	3.101E-07	11.45	.82	.50	.043
86	30.0	-9.98	0.00	-7.62	7.36	2.26	2.56	5.214E-06	.002	.002	1.070E-09	11.45	.82	.50	.003
87	30.0	-11.33	0.00	-7.62	7.33	3.74	2.54	5.974E-06	.002	.002	1.405E-09	11.45	.82	.50	.003
88	30.0	-12.5[illegible]	0.00	-7.62	7.33	5.03	2.54	1.098E-05	.004	.004	4.655E-09	11.45	.82	.50	.005
89	30.0	-13.19	0.00	-7.62	7.36	5.66	2.56	2.208E-05	.008	.008	1.587E-08	11.45	.82	.50	.010

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CFHT TEST (32), MOAC-F PSI GAPS, RUN (27) 1973 PAGE 171

MACH = 10.290
PX E06 = 3.322E-01
PL E06 = 8.306E-02
PS/METER = 3.270E+06
HO = 2.554E+00(W/M2- K)
TW = 303.4 (K)
STEP = 0.000(CM)

TT = 1.001E+03(K)
PI = 5.166 E+06(N/M2)
TI = 4.713E+01(K)
PI = 0.981 E+02(N/M2)
(RHO V)I = 1.029E+01(KG/M2-S)
GAP = .229 (CM)
CONF =IN-L

TAW/TT =1.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) TO.? OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.70	7.62	3.153E-06	.001	.001	4.469E-10	10.41	.76	.50	.001
10	0.0	0.00	7.62	0.00	7.62	5.03	7.62	1.226E-06	.001	.000	6.757E-11	10.41	.76	.50	.001
11															
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	5.559E-06	.003	.002	1.398E-09	10.41	.76	.50	.003
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	1.155E-04	.054	.046	6.108E-07	10.41	.76	.50	.053
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.061E-03	.489	.419	5.067E-05	10.41	.76	.50	.483
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	2.223E-03	1.012	.879	2.197E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	2.906E-03	1.191	1.148	3.380E-04	11.32	.82	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.923E-03	1.155	1.155	3.299E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	2.868E-03	1.189	1.141	3.355E-04	11.25	.81	.58	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	2.303E-03	1.114	.910	2.586E-04	10.35	.75	.50	
20	0.0	0.00	7.62	0.00	-7.62	.41	-7.62	9.740E-04	.479	.385	4.559E-05	10.24	.74	.50	.430
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	9.167E-05	.045	.036	4.038E-07	10.24	.74	.50	.048
22	0.0	0.00	7.62	0.00	-7.62	2.39	-7.62	6.292E-06	.003	.002	1.902E-09	10.24	.74	.50	.003
23															
24	0.0	0.00	7.62	0.00	-7.62	5.07	-7.62	4.753E-06	.002	.002	1.086E-09	10.24	.74	.50	.002
25	0.0	0.00	7.62	0.00	-7.62	5.73	-7.62	1.885E-06	.001	.001	1.787E-10	10.24	.74	.50	.001
26	0.0	3.76	11.38	3.76	7.62	5.78	7.62	6.722E-07	.000	.000	2.032E-11	10.41	.76	.50	.000
27	0.0	3.80	11.42	3.80	7.62	5.04	7.52	1.013E-05	.005	.004	4.618E-09	10.41	.76	.50	.004
28	0.0	3.76	11.38	3.76	7.62	3.72	7.62	1.310E-05	.006	.005	7.712E-09	10.41	.76	.50	.005
29	0.0	3.81	11.43	3.81	7.62	2.44	7.62	5.111E-07	.000	.000	1.175E-11	10.41	.76	.50	.000
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	1.019E-04	.047	.040	4.665E-07	10.41	.76	.50	.042
31	0.0	3.87	11.49	3.87	7.62	.33	7.62	1.259E-03	.580	.498	7.132E-05	10.41	.76	.50	.516
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	2.473E-03	1.123	.977	2.712E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.524E-03	1.077	1.037	2.760E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.623E-03	1.036	1.036	2.655E-04	11.56	.83	.50	
35	0.0	3.99	11.61	3.99	-3.59	0.00	-3.59	2.716E-03	1.119	1.073	2.970E-04	11.24	.81	.54	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	2.385E-03	1.154	.942	2.688E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	1.104E-03	.543	.436	5.855E-05	10.24	.74	.50	.471
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	6.976E-05	.034	.028	2.339E-07	10.24	.74	.50	.030
39															
40	0.0	3.80	11.42	3.80	-7.62	3.62	-7.62	1.567E-06	.001	.001	1.091E-10	10.24	.74	.50	.001
41	0.0	3.67	11.29	3.67	-7.62	5.04	-7.62	3.396E-06	.002	.001	5.541E-10	10.24	.74	.50	.001
42	0.0	3.62	11.24	3.62	-7.62	5.68	-7.62	2.479E-06	.001	.001	2.953E-10	10.24	.74	.50	.001
43	0.0	7.35	14.97	7.35	7.62	5.70	7.62	6.755E-07	.000	.000	2.058E-11	10.41	.76	.50	.000
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	2.177E-08	.000	.000	2.131E-14	10.41	.76	.50	.000
45	0.0	7.32	14.94	7.32	7.62	3.72	7.62	5.549E-06	.003	.002	1.385E-09	10.41	.76	.50	.004
46	0.0	7.36	14.98	7.36	7.62	2.37	7.62	3.040E-06	.001	.001	4.155E-10	10.41	.76	.50	.002
47	0.0	7.35	14.97	7.35	7.62	1.15	7.62	1.002E-04	.046	.040	4.518E-07	10.41	.76	.58	.865

250

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 172

HEAT TEST (32), [illegible] RSI GAPS, RUN (27) 1973

RUN	GAMMA (DEG)	YCURF (CM)	YO (CM)	Y (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HF
43	0.0	7.26	14.98	7.26	7.62	.33	7.62	7.848E-04	.361	.310	2.770E-05	10.41	.76	.50	.508
49	0..	7.27	14.93	7.27	7.30	0.00	7.30	1.361E-03	.711	.617	1.084E-04	10.51	.76	.50	
53	0..	7.33	14.95	7.33	3.69	0.00	3.69	1.547E-03	.675	.651	1.086E-04	11.31	.82	.50	
51	0.0	7.40	15.02	7.40	0.00	0.00	0.00	1.502E-03	.633	.633	9.908E-05	11.56	.83	.50	
52	0.0	7.58	15.23	7.58	-3.58	0.00	-3.58	1.698E-03	.700	.671	1.161E-04	11.24	.81	.50	
53	0.0	7.16	14.78	7.16	-7.24	0.00	-7.24	1.502E-03	.726	.594	1.065E-04	10.36	.75	.50	.617
54	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	9.095E-04	.447	.359	3.975E-05	10.24	.74	.50	.074
55	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	1.092E-04	.054	.043	5.732E-07	10.24	.74	.50	
57	0.0	7.26	14.88	7.26	-7.62	3.70	-7.62	4.916E-08	.000	.000	1.159E-13	10.24	.74	.50	.003
60	0.0	7.85	15.24	7.62	7.14	.27	7.14	7.472E-04	.338	.295	2.467E-05	10.56	.77	.50	.476
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	1.052E-04	.048	.042	4.925E-07	10.50	.76	.50	.067
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	4.911E-07	.000	.000	1.066E-11	10.56	.77	.50	.000
66	0.0	7.34	15.24	7.62	3.44	.36	3.44	8.166E-04	.334	.323	2.662E-05	11.35	.82	.50	.494
67	0.0	8.31	15.24	7.62	3.44	1.19	3.44	1.383E-04	.057	.055	7.632E-07	11.35	.82	.50	.004
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	5.731E-07	.000	.000	1.312E-11	11.34	.82	.50	.000
70	0.0	12.22	15.24	7.62	3.46	5.04	3.46	4.895E-14	.000	.000	9.567E-26	11.34	.82	.50	.000
71	0.0	13.47	15.24	7.62	3.40	5.81	3.40	3.732E-06	.002	.001	5.555E-10	11.35	.82	.53	.032
73	0.0	9.55	15.24	7.62	0.00	1.15	0.00	1.409E-04	.356	.056	7.662E-07	11.56	.83	.53	.088
77	[illegible]	13.43	15.24	7.62	0.00	6.74	0.00	1.524E-06	.001	.001	1.818E-10	11.56	.83	.50	.001
78	[illegible]	[illegible]	15.24	7.62	-3.59	.33	-3.59	8.125E-04	.335	.321	2.658E-05	11.24	.81	.50	.479
79	[illegible]	[illegible]	15.24	7.62	-3.63	1.17	-3.63	1.444E-04	.060	.057	8.399E-07	11.24	.81	.50	.085
84	[illegible]	[illegible]	15.24	7.62	-7.33	.31	-7.33	9.324E-04	.452	.368	4.119E-05	10.33	.75	.50	.623
85	[illegible]	[illegible]	15.24	7.62	-7.36	1.09	-7.36	9.965E-05	.048	.039	4.711E-07	10.32	.75	.50	.067
[illegible]	[illegible]	[illegible]	[illegible]	7.62	-7.36	2.3[illegible]	-7.36	3.089E-06	.002	.001	4.526E-10	10.32	.75	.50	.002
[illegible]	[illegible]	[illegible]	[illegible]	7.62	-7.33	5.03	-7.33	6.358E-06	.003	.002	1.739E-09	10.33	.75	.50	.004
[illegible]	[illegible]	[illegible]	[illegible]	7.62	-7.35	5.6[illegible]	-7.35	3.1[illegible]8E-05	.015	.012	4.582E-09	10.33	.75	.50	.021

MACH = 11.290
PX E06 = 3.333E-01
PL E06 = 9.325E-02
PE/MEYER = 3.278E+06
MC = 2.554E+33(M/M2- K)
TW = 303.8 (K)
STEP = 0.000(CM)

TT = 1.000E+03(K)
PI = 5.172E+06(N/M2)
T1 = 4.718E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.038E+01(KG/M2-S)
GAP = .229 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	1.170E-05	.885	.885	5.131E-09	10.43	.76	.50	.805
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	8.268E-06	.804	.803	3.062E-09	10.43	.76	.50	.804
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	1.302E-05	.805	.805	7.596E-09	10.43	.76	.50	.806
12															
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	9.100E-05	.842	.836	3.710E-07	10.43	.76	.53	.843
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.013E-03	.465	.400	4.599E-05	10.43	.76	.50	.474
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.182E-03	.992	.854	2.070E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	2.908E-03	1.191	1.149	3.378E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	2.953E-03	1.171	1.171	3.384E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	0.00	-3.51	2.928E-03	1.205	1.157	3.441E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	2.427E-03	1.170	.959	2.768E-04	10.37	.75	.50	
20	7.5	0.00	7.62	0.00	-7.62	.41	-7.55	1.136E-03	.508	.409	5.123E-05	10.26	.75	.50	.434
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	7.047E-05	.035	.028	2.375E-07	10.26	.75	.50	.030
22	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	8.147E-07	.000	.000	3.097E-11	10.26	.75	.50	.000
23	7.5	0.00	7.62	0.00	-7.62	3.73	-7.55	6.445E-07	.000	.000	1.987E-11	10.26	.75	.50	.000
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	1.770E-06	.001	.001	1.498E-10	10.26	.75	.50	.001
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	6.136E-06	.003	.002	1.801E-09	10.26	.75	.50	.003
26															
27	7.5	3.81	11.42	3.80	7.62	5.04	8.05	2.475E-06	.001	.001	2.827E-10	10.28	.75	.50	.001
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	2.723E-06	.001	.001	3.420E-10	10.28	.75	.50	.001
29															
30	7.5	3.83	11.45	3.83	7.62	1.16	8.05	8.444E-05	.040	.033	3.290E-07	10.27	.75	.50	.039
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.107E-03	.524	.438	5.669E-05	10.27	.75	.50	.505
32	7.5	3.79	11.41	3.79	7.24	0.00	7.67	2.245E-03	1.037	.887	2.271E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.551E-03	1.061	1.012	2.651E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.631E-03	1.044	1.040	2.678E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	2.849E-03	1.161	1.126	3.226E-04	11.32	.82	.51	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	2.676E-03	1.259	1.057	3.286E-04	11.52	.76	.50	
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	1.222E-03	.595	.483	6.970E-05	10.42	.76	.50	.464
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	8.173E-05	.030	.024	1.779E-07	10.42	.76	.50	.023
39															
40															
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.08	6.728E-06	.003	.003	2.114E-09	10.41	.76	.50	.003
42															
43	7.5	7.35	14.97	7.35	7.62	5.70	8.51	2.561E-06	.001	.001	3.113E-10	10.12	.74	.50	.002
44	7.5	7.33	14.95	7.33	7.62	4.91	8.51	4.506E-06	.002	.002	9.632E-10	10.12	.74	.50	.004
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	1.100E-05	.005	.004	5.736E-09	10.12	.74	.50	.009
46															
47	7.5	7.35	14.97	7.35	7.62	1.16	8.51	8.979E-05	.044	.035	3.826E-07	10.12	.74	.50	.071

MCDONNELL DOUGLAS AST·RONAUTICS COMPANY·EAST

RSI GAP HEATING ANALYSIS
FINAL REPORT VOLUME II
REPORT MDC E1003 29 JANUARY 1974
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	7.5	7.26	14.88	7.26	7.62	.33	8.50	6.229E-04	.303	.246	1.840E-05	10.12	.74	.50	.409
49	7.5	7.27	14.99	7.27	7.30	9.00	8.19	1.299E-03	.620	.513	7.849E-05	10.23	.75	.50	
50	7.5	7.33	14.95	7.33	3.69	0.00	4.61	1.549E-03	.648	.612	9.795E-05	11.16	.81	.50	
51	7.5	7.40	15.02	7.40	0.00	0.00	.97	1.599E-03	.637	.632	9.930E-05	11.55	.83	.50	
52	7.5	7.59	15.20	7.59	-3.58	0.00	-2.56	1.846E-03	.744	.729	1.340E-04	11.39	.82	.50	
53	7.5	7.16	14.78	7.16	-7.24	0.00	-6.25	1.754E-03	.806	.693	1.378E-04	10.66	.77	.50	
54	7.5	7.26	14.88	7.26	-7.62	.31	-6.61	1.046E-03	.489	.413	4.990E-05	10.56	.77	.50	.607
55	7.5	7.30	14.92	7.30	-7.62	1.11	-6.60	9.324E-05	.044	.037	3.964E-07	10.56	.77	.50	.054
56	7.5	7.25	14.87	7.25	-7.62	2.32	-6.61	2.046E-06	.001	.001	1.909E-10	10.56	.77	.50	.001
57	7.5	7.25	14.88	7.26	-7.62	3.70	-6.61	4.742E-06	.002	.002	1.026E-09	10.56	.77	.50	.003
58	7.5	7.24	14.86	7.24	-7.62	4.97	-6.61	3.986E-06	.002	.002	7.225E-10	10.55	.77	.50	.002
59	7.5	7.25	14.87	7.25	-7.62	5.62	-6.61	5.364E-06	.003	.002	1.313E-09	10.55	.77	.50	.003
60	7.5	7.65	15.24	7.62	7.14	.27	8.08	6.234E-04	.295	.246	1.795E-05	10.27	.75	.50	.477
61	7.5	7.65	15.24	7.62	7.35	1.17	8.28	9.052E-05	.043	.036	3.842E-07	10.20	.75	.50	.070
62															
63															
64	7.5	12.60	15.24	7.62	7.14	5.42	8.07	1.216E-05	.006	.005	6.825E-09	10.27	.75	.50	.009
65	7.5	13.22	15.24	7.62	7.14	5.63	8.07	8.337E-06	.004	.003	3.211E-09	10.27	.75	.50	.006
66	7.5	7.38	15.24	7.62	3.44	.35	4.41	7.749E-04	.323	.306	2.439E-05	11.20	.81	.50	.498
67	7.5	8.81	15.24	7.62	3.44	1.19	4.41	1.348E-04	.056	.053	7.376E-07	11.20	.81	.50	.087
68	7.5	10.05	15.24	7.62	3.45	2.44	4.41	1.962E-06	.001	.001	1.563E-10	11.19	.81	.50	.001
69	7.5	11.35	15.24	7.62	3.50	3.74	4.46	1.664E-06	.001	.001	1.127E-10	11.19	.81	.50	.001
70	7.5	12.55	15.24	7.62	3.46	5.04	4.43	5.882E-14	.000	.000	1.050E-25	11.19	.81	.50	.000
71															
72	7.5	8.07	15.24	7.62	0.00	.38	.99	3.815E-06	.002	.002	5.653E-10	11.55	.83	.50	.002
73	7.5	8.95	15.24	7.62	0.00	1.15	.99	1.395E-04	.056	.055	7.558E-07	11.55	.83	.50	.087
74															
75	7.5	11.43	15.24	7.62	0.00	3.70	.99	1.556E-06	.001	.001	1.065E-10	11.55	.83	.50	.001
76	7.5	14.69	15.24	7.62	0.00	4.99	.99	3.718E-06	.001	.001	5.370E-10	11.55	.83	.50	.002
77	7.5	13.43	15.24	7.62	0.00	5.74	.99	4.578E-06	.002	.002	8.499E-10	11.55	.83	.50	.003
78	7.5	8.04	15.24	7.62	-3.59	.38	-2.57	8.725E-04	.352	.345	2.994E-05	11.39	.82	.50	.473
79	7.5	8.92	15.24	7.62	-3.63	1.17	-2.60	1.369E-04	.055	.054	7.372E-07	11.38	.82	.50	.074
80															
81	7.5	11.41	15.24	7.62	-3.55	3.76	-2.53	1.550E-06	.001	.001	9.444E-11	11.39	.82	.50	.001
82	7.5	12.73	15.24	7.62	-3.58	5.08	-2.55	5.471E-06	.002	.002	1.177E-09	11.39	.82	.50	.003
83	7.5	13.44	15.24	7.62	-3.62	5.79	-2.59	4.781E-06	.002	.002	8.994E-10	11.38	.82	.50	.003
84	7.5	7.81	15.24	7.62	-7.33	.31	-6.27	1.067E-03	.491	.422	5.109E-05	10.65	.77	.50	.609
85	7.5	8.58	15.24	7.62	-7.36	1.09	-6.30	1.014E-04	.047	.040	4.621E-07	10.64	.77	.50	.059
86															
87	7.5	11.73	15.24	7.62	-7.33	3.74	-6.27	7.950E-07	.000	.000	2.835E-11	10.65	.77	.50	.000
88	7.5	14.52	15.24	7.62	-7.33	5.03	-6.27	1.923E-06	.001	.001	1.659E-10	10.65	.77	.50	.001
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

GREAT TEST (92), M78C-F RSI GAPS, RUN (29) 1973

MACH = 10.200
PX EDG = 3.319E-01
PL EDG = 8.298E-02
PE/METER = 3.267E+06
HO = 2.554E+08(W/M2- K)
TW = 304.3 (K)
STEP = 3.048(CM)

TT = 1.032E+03(K)
PI = 5.171E+06(N/M2)
T1 = 4.718E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.029E+01(KG/M2-S)
GAP = .229 (CM)
CONF =IN-L

TAW/TT =1.195 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XT (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	2.588E-06	.001	.001	2.801E-10	10.49	.76	.50	.001
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	1.970E-06	.001	.001	1.728E-10	10.49	.76	.50	.001
11															
12	15.0	0.00	7.62	0.00	7.62	2.36	7.36	5.679E-06	.003	.002	1.436E-09	10.49	.76	.50	.003
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	8.982E-05	.041	.035	3.593E-07	10.49	.76	.50	.046
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	9.224E-04	.421	.364	3.790E-05	10.49	.76	.50	.469
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	1.991E-03	.898	.787	1.745E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	2.880E-03	1.178	1.138	3.314E-04	11.34	.82	.50	
17	15.0	0.00	.62	0.00	0.00	0.00	0.00	2.930E-03	1.158	1.158	3.313E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.54	0.00	-3.42	2.894E-03	1.169	1.143	3.359E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	2.411E-03	1.151	.953	2.711E-04	10.43	.76	.50	
20	15.0	0.00	7.62	0.00	-7.62	.41	-7.36	1.058E-03	.514	.418	5.307E-05	10.32	.75	.50	.446
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	7.440E-05	.036	.029	2.626E-07	10.32	.75	.50	.031
22	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	9.372E-06	.005	.004	4.167E-09	10.32	.75	.50	.004
23															
24	15.0	0.00	7.62	0.00	-7.62	5.07	-7.36	3.487E-06	.002	.001	5.769E-10	10.32	.75	.50	.001
25															
26	15.0	3.76	11.38	3.76	7.62	5.70	8.33	2.575E-07	.000	.000	3.117E-12	10.18	.74	.50	.000
27	15.0	3.80	11.42	3.80	7.62	5.04	8.34	1.289E-06	.001	.001	7.813E-11	10.18	.74	.50	.001
28	15.0	3.76	11.38	3.76	7.62	3.72	8.33	5.036E-06	.002	.002	1.192E-09	10.18	.74	.50	.003
29															
30	15.0	3.83	11.45	3.83	7.62	1.16	8.35	9.749E-05	.047	.039	4.472E-07	10.17	.74	.50	.050
31	15.0	3.87	11.49	3.87	7.62	.33	8.36	9.708E-04	.468	.384	4.437E-05	10.17	.74	.50	.500
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	1.986E-03	.936	.786	1.819E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.485E-03	1.040	.982	2.523E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.505E-03	1.038	1.029	2.640E-04	11.55	.83	.50	
35	15.0	3.99	11.61	3.89	-3.59	0.00	-2.46	2.932E-03	1.181	1.159	3.382E-04	11.40	.82	.50	
36	15.0	3.74	11.36	3.74	-7.29	0.00	-6.06	2.846E-03	1.297	1.125	3.605E-04	10.71	.78	.50	
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	1.298E-03	.600	.513	7.611E-05	10.62	.77	.50	.463
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	4.520E-05	.021	.018	9.643E-08	10.62	.77	.50	.016
39	15.0	3.80	11.42	3.80	-7.62	2.35	-6.38	2.770E-05	.013	.011	3.463E-08	10.62	.77	.50	.010
40															
41	15.0	3.67	11.29	3.67	-7.62	5.04	-6.41	6.216E-06	.003	.002	1.747E-09	10.61	.77	.50	.002
42															
43															
44	15.0	7.33	14.99	7.33	7.62	4.91	9.26	5.264E-06	.003	.002	1.375E-09	9.85	.72	.50	.005
45															
46															
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	9.177E-05	.047	.036	4.182E-07	9.85	.72	.50	.085

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

HEAT TEST (32), MDAC-E RSI GAPS, RUN (29) 1973 PAGE 176

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	15.0	7.25	14.88	7.26	7.62	.33	9.24	5.414E-04	.275	.214	1.454E-05	9.85	.72	.50	.499
49	15.0	7.27	14.89	7.27	7.30	0.00	8.93	1.104E-03	.551	.436	5.940E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.468E-03	.629	.580	9.002E-05	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.612E-03	.647	.637	1.018E-04	11.50	.83	.50	
52	15.0	7.58	15.20	7.58	-3.58	0.00	-1.50	1.351E-03	.784	.775	1.502E-04	11.49	.83	.50	
53	15.0	7.16	14.79	7.16	-7.24	0.00	-5.14	1.999E-03	.874	.798	1.705E-04	10.94	.79	.50	
54	15.0	7.25	14.88	7.26	-7.62	.31	-5.48	1.214E-03	.539	.488	6.386E-05	10.86	.78	.50	.617
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	1.339E-04	.046	.041	4.680E-07	10.86	.78	.50	.053
56															
57	15.0	7.26	14.88	7.26	-7.62	3.78	-5.48	2.189E-06	.001	.001	2.077E-10	10.86	.78	.50	.001
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	6.957E-06	.003	.003	2.185E-09	10.86	.78	.50	.004
59															
60	15.0	7.85	15.24	7.62	7.14	.27	8.87	5.262E-04	.262	.208	1.344E-05	9.99	.73	.50	.475
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	1.628E-04	.052	.041	5.194E-07	9.92	.72	.50	.094
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	1.111E-06	.001	.000	5.983E-11	10.00	.73	.50	.001
63															
64	15.0	12.69	15.24	7.62	7.14	5.02	8.87	2.853E-06	.001	.001	3.951E-10	9.99	.73	.50	.003
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	8.598E-07	.000	.000	3.672E-11	9.99	.73	.50	.001
66	15.0	7.99	15.24	7.62	3.44	.36	5.30	7.500E-04	.319	.296	2.339E-05	11.02	.80	.50	.508
67	15.0	8.81	15.24	7.62	3.44	1.19	5.30	1.311E-04	.056	.052	7.149E-07	11.02	.80	.50	.089
68															
69															
70	15.0	12.65	15.24	7.62	3.46	5.04	5.32	4.987E-14	.000	.000	1.035E-25	11.02	.80	.50	.000
71															
72	15.0	8.07	15.24	7.62	0.00	.38	1.97	1.262E-06	.001	.000	6.240E-11	11.50	.83	.50	.001
73	15.0	8.45	15.24	7.62	0.00	1.15	1.97	1.235E-04	.050	.049	5.975E-07	11.50	.83	.50	.077
74	15.0	10.17	15.24	7.62	0.00	2.37	1.97	3.883E-06	.002	.002	5.909E-10	11.50	.83	.50	.002
75															
75	15.0	12.69	15.24	7.62	0.00	4.99	1.97	7.579E-06	.003	.003	2.311E-09	11.50	.83	.50	.005
77	15.0	13.45	15.24	7.62	0.00	5.74	1.97	3.272E-06	.001	.001	4.104E-10	11.50	.83	.50	.002
78	15.0	8.04	15.24	7.62	-3.59	.38	-1.50	9.247E-04	.370	.365	3.539E-05	11.49	.83	.50	.472
79	15.0	8.92	15.24	7.62	-3.63	1.17	-1.53	1.023E-04	.041	.040	4.085E-07	11.49	.83	.50	.052
80															
81															
82															
83	15.0	13.44	15.24	7.62	-3.62	5.79	-1.52	2.298E-06	.001	.001	2.861E-10	11.49	.83	.50	.001
84	15.0	7.81	15.24	7.62	-7.33	.31	-5.11	1.225E-03	.535	.484	6.399E-05	10.94	.79	.50	.612
85	15.0	8.59	15.24	7.62	-7.36	1.09	-5.14	9.154E-05	.040	.036	3.584E-07	10.94	.79	.50	.046
86															
87	15.0	11.23	15.24	7.62	-7.33	3.74	-5.11	1.289E-07	.000	.000	7.077E-13	10.94	.79	.50	.000
88	15.0	12.59	15.24	7.62	-7.33	5.03	-5.11	2.588E-06	.001	.001	3.078E-10	10.94	.79	.50	.001
89	15.0	13.17	15.24	7.62	-7.35	5.66	-5.13	6.717E-06	.003	.003	1.925E-09	10.94	.79	.50	.003

CFHT TEST (92), MDAC-E PSI GAPS, RUN (30) 1973 PAGE 177

MACH = 13.290 TT = 1.063E+03(K)
PX E06 = 3.311E-01 PI = 5.171E+06(N/M2)
PL E06 = 9.279E-02 T1 = 4.724E+01(K)
PE/METER = 3.259E+06 P1 = 0.982E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.028E+01(KG/M2-S)
TW = 304.3 (K) GAP = .229 (CM)
STEP = 0.303(CM) CONF =IN-L

TAW/TT =.995 FOR HT/HO TILE COORDINATES(GAMMA=0.0
YSURF =SURFACE DISTANCE X9 = X-COOR. FROM TILE L.E.
(FLOW DIRECTION) XC = X-COOR. FROM TILE CENTER
(0.0 OR 90 DEG) YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	7.62	5.79	6.68	5.929E-06	.003	.002	1.524E-09	10.71	.78	.50	.003
10	30.0	0.00	7.62	0.00	7.62	5.03	6.60	3.382E-06	.001	.001	4.118E-10	10.71	.78	.50	.002
11															
12															
13	30.0	0.00	7.62	0.00	7.62	1.14	6.60	8.552E-05	.038	.034	3.171E-07	10.71	.78	.50	.048
14	30.0	0.00	7.62	0.00	7.62	.33	6.60	8.294E-04	.368	.328	2.982E-05	10.71	.78	.50	.462
15	30.0	0.00	7.62	0.00	7.29	0.00	6.32	1.813E-03	.796	.716	1.410E-04	10.78	.78	.50	
16	30.0	0.00	7.62	0.00	3.63	0.00	3.15	2.911E-03	1.184	1.150	3.379E-04	11.38	.82	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.010E-03	1.189	1.189	3.499E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	-3.54	0.00	-3.07	2.931E-03	1.195	1.158	3.423E-04	11.32	.81	.50	
19	30.0	0.00	7.62	0.00	-7.27	0.00	-6.29	2.544E-03	1.171	1.005	2.912E-04	10.64	.77	.50	
20	30.0	0.00	7.62	0.00	-7.62	.41	-6.50	1.132E-03	.529	.447	5.858E-05	10.56	.77	.50	.452
21	30.0	0.00	7.62	0.00	-7.62	1.17	-6.60	8.409E-05	.039	.033	3.231E-07	10.56	.77	.50	.034
22	30.0	0.00	7.62	0.00	-7.62	2.39	-6.60	7.473E-06	.003	.003	2.551E-09	10.56	.77	.50	.003
23															
24															
25	30.0	0.00	7.62	0.00	-7.62	5.73	-6.60	6.141E-06	.003	.002	1.723E-09	10.56	.77	.50	.002
26															
27	30.0	3.80	11.42	3.80	7.62	5.04	9.50	1.996E-06	.001	.001	1.874E-10	10.12	.74	.50	.001
28															
29															
30	30.0	3.83	11.45	3.83	7.62	1.16	8.51	1.042E-04	.051	.041	5.164E-07	10.12	.74	.50	.066
31	30.0	3.87	11.49	3.87	7.62	.33	8.53	7.977E-04	.389	.315	3.030E-05	10.11	.74	.50	.502
32	30.0	3.79	11.41	3.79	7.24	0.00	8.17	1.525E-03	.774	.642	1.229E-04	10.24	.75	.50	
33	30.0	3.82	11.54	3.82	3.71	0.00	5.17	2.475E-03	1.049	.978	2.538E-04	11.05	.80	.50	
34	30.0	3.95	11.67	3.95	0.00	0.00	1.98	2.598E-03	1.043	1.027	2.644E-04	11.50	.83	.50	
35	30.0	3.99	11.51	3.99	-3.59	0.00	-1.17	3.114E-03	1.242	1.231	3.780E-04	11.51	.83	.50	
36	30.0	3.74	11.36	3.74	-7.28	0.00	-4.43	3.114E-03	1.322	1.230	4.024E-04	11.09	.80	.50	
37	30.0	3.73	11.41	3.79	-7.62	.37	-4.70	1.403E-03	.603	.554	8.264E-05	11.03	.80	.50	.456
38	30.0	3.74	11.36	3.74	-7.62	1.15	-4.73	6.589E-05	.028	.026	1.824E-07	11.03	.80	.50	.021
39	30.0	3.80	11.42	3.80	-7.62	2.35	-4.70	3.116E-05	.013	.012	4.075E-08	11.03	.80	.50	.010
40															
41	30.0	3.67	11.29	3.67	-7.62	5.04	-4.77	4.877E-06	.002	.002	1.001E-09	11.02	.80	.50	.002
42	30.0	3.62	11.24	3.62	-7.62	5.68	-4.79	2.059E-06	.001	.001	1.785E-10	11.02	.79	.50	.001
43	30.0	7.35	14.97	7.35	7.62	5.70	10.27	1.469E-06	.001	.001	1.135E-10	9.44	.70	.50	.002
44															
45															
46															
47	30.0	7.35	14.97	7.35	7.62	1.15	10.27	9.796E-05	.053	.039	5.048E-07	9.44	.70	.50	.119
48	30.0	7.26	14.88	7.26	7.62	.33	10.23	4.272E-04	.229	.169	9.580E-06	9.46	.70	.50	.518

HEAT TEST (92), MDAC-E RSI GAPS, RUN (30) 1973 PAGE 178

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	30.0	7.27	14.89	7.27	7.30	0.00	9.96	8.376E-04	.443	.331	3.627E-05	9.57	.70	.50	
50	30.0	7.33	14.95	7.33	3.69	0.00	6.86	1.474E-03	.660	.582	9.508E-05	10.64	.77	.50	
51	30.0	7.40	15.02	7.40	0.00	0.00	3.70	1.684E-03	.691	.666	1.138E-04	11.31	.82	.50	
52	30.0	7.58	15.20	7.58	-3.58	0.00	.69	2.239E-03	.890	.885	1.947E-04	11.55	.83	.50	
53	30.0	7.16	14.78	7.16	-7.24	0.00	-2.69	2.394E-03	.968	.946	2.266E-04	11.37	.82	.50	
54	30.0	7.26	14.88	7.26	-7.62	.31	-2.97	1.444E-03	.587	.570	8.288E-05	11.34	.82	.50	.607
55	30.0	7.30	14.92	7.30	-7.62	1.11	-2.95	1.117E-04	.045	.044	4.956E-07	11.34	.82	.50	.047
56															
57															
58	30.0	7.24	14.86	7.24	-7.62	4.97	-2.98	3.475E-07	.000	.000	4.803E-12	11.33	.82	.50	.000
59															
60	30.0	7.85	15.24	7.62	7.14	.27	10.00	4.238E-04	.225	.167	9.387E-06	9.55	.70	.50	.507
61	30.0	8.75	15.24	7.62	7.35	1.17	10.17	1.199E-04	.064	.047	7.516E-07	9.48	.70	.50	.145
62															
63															
64	30.0	12.60	15.24	7.62	7.14	5.02	9.99	6.048E-06	.003	.002	1.894E-09	9.56	.70	.50	.007
65	30.0	13.22	15.24	7.62	7.14	5.63	9.99	1.516E-06	.001	.001	1.352E-10	9.56	.70	.50	.002
66	30.0	7.99	15.24	7.62	3.44	.36	6.79	7.414E-04	.331	.293	2.400E-05	10.66	.77	.50	.502
67	30.0	8.61	15.24	7.62	3.44	1.19	6.79	1.211E-04	.054	.048	6.398E-07	10.66	.77	.50	.082
68															
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	5.669E-06	.003	.002	1.406E-09	10.64	.77	.50	.004
70															
71	30.0	13.42	15.24	7.62	3.40	5.81	6.76	3.375E-06	.002	.001	5.887E-10	10.67	.77	.50	.002
72	30.0	8.17	15.24	7.62	0.00	.38	3.81	2.733E-06	.001	.001	3.080E-10	11.29	.81	.50	.002
73	30.0	8.85	15.24	7.62	0.00	1.15	3.81	1.417E-04	.050	.056	8.063E-07	11.29	.81	.50	.084
74															
75															
76	30.0	12.69	15.24	7.62	0.00	4.99	3.81	1.126E-06	.000	.000	5.089E-11	11.29	.81	.50	.001
77															
78	30.0	8.14	15.24	7.62	-3.59	.38	.70	1.012E-03	.402	.400	3.979E-05	11.55	.83	.50	.452
79	30.0	8.42	15.24	7.62	-3.63	1.17	.67	1.199E-04	.044	.043	4.692E-07	11.56	.83	.50	.049
80	30.0	10.17	15.24	7.62	-3.60	2.42	.69	1.594E-06	.001	.001	9.863E-11	11.55	.83	.50	.001
81															
82															
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	4.366E-06	.002	.002	7.205E-10	11.56	.83	.50	.002
84	30.0	7.81	15.24	7.62	-7.33	.31	-2.54	1.452E-03	.585	.574	8.302E-05	11.39	.82	.50	.604
85	30.0	8.69	15.24	7.62	-7.36	1.09	-2.56	1.030E-04	.042	.041	4.178E-07	11.39	.82	.50	.043
86	30.0	9.85	15.24	7.62	-7.36	2.36	-2.56	6.988E-06	.003	.003	1.914E-09	11.39	.82	.50	.003
87															
88	30.0	12.52	15.24	7.62	-7.33	5.03	-2.54	3.286E-06	.001	.001	4.201E-10	11.39	.82	.50	.001
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CASE TEST (32), MDAC-E RSI GAPS, RUN (31) 1973 PAGE 103

MACH = 10.290 TT = 1.012E+03(K)
RN E06 = 5.638E-01 PI = 5.157E+06(N/M2)
RL E06 = 8.193E-02 T1 = 4.771E+01(K)
REYNETFP = 3.193E+06 P1 = 0.978E+02(N/M2)
HC = 2.554E+00(M/M2- K) (RHO V)1 = 1.019E+01(KG/M2-S)
TW = 295.1 (K) GAP = .457 (CM)
STEP = 0.300(CM) CONF =STAG

TANGTT =0.000 FOR HT/HO TILE COORDINATES(GAMMA=0.0
XSURF =SURFACE DISTANCE XB = X-COOR. FROM TILE L.E.
(FLOW DIRECTION) XC = X-COOR. FROM TILE CENTER
(0.0 TO 90 DEG) YC = Y-COOR. FROM TILE CENTER

TH	GAMMA (DEG)	XSURF (CM)	XB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-MOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
1	90.0	13.39	7.62	0.00	7.62	5.70	0.00	1.506E-06	.001	.001	1.005E-10	11.56	.83	.50	.001
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	1.251E-05	.005	.005	6.103E-09	11.56	.83	.50	.009
11	90.0	11.34	7.62	0.00	7.62	3.74	0.00	8.265E-06	.003	.003	2.624E-09	11.56	.83	.50	.006
12	90.0	10.05	7.62	0.00	7.62	2.36	0.00	1.868E-05	.007	.007	1.360E-08	11.56	.83	.50	.013
13	90.0	8.83	7.62	0.00	7.62	1.14	0.00	1.349E-04	.053	.053	7.093E-07	11.56	.83	.50	.096
14	90.0	8.22	7.62	0.00	7.62	.33	0.00	4.315E-04	.182	.182	8.380E-06	11.56	.83	.50	.328
15	90.0	7.29	7.62	0.00	7.62	0.00	0.00	1.485E-03	.555	.555	7.698E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	2.980E-03	1.177	1.177	3.460E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.123E-03	1.234	1.234	3.042E-04	11.56	.83	.50	.514
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	3.185E-03	1.259	1.259	3.954E-04	11.56	.83	.50	.069
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	2.922E-03	1.157	1.157	3.339E-04	11.56	.83	.50	.812
20	90.0	-7.97	7.62	0.00	-7.62	.41	0.00	1.504E-03	.594	.594	8.610E-05	11.56	.83	.50	.009
21	90.0	-8.72	7.62	0.00	-7.62	1.17	0.00	2.029E-04	.080	.080	1.605E-06	11.56	.83	.50	.812
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	3.422E-05	.014	.014	4.564E-08	11.56	.83	.50	.009
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	2.592E-05	.010	.010	2.617E-08	11.56	.83	.50	.009
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	1.988E-05	.008	.008	1.540E-08	11.56	.83	.50	.007
25	90.0	-13.29	7.62	0.00	-7.62	5.73	0.00	9.616E-06	.004	.004	3.604E-09	11.56	.83	.50	.003
26	90.0	13.35	3.96	-3.76	7.62	5.70	-3.76	1.868E-06	.001	.001	1.381E-10	11.21	.81	.50	.001
27	90.0	12.68	3.82	-3.80	7.62	5.04	-3.80	3.607E-06	.001	.001	5.312E-10	11.21	.81	.50	.002
28	90.0	11.36	3.86	-3.76	7.62	3.72	-3.76	2.263E-06	.001	.001	2.089E-10	11.21	.81	.50	.001
29	90.0	10.03	3.81	-3.81	7.62	2.44	-3.81	2.667E-05	.011	.011	2.906E-08	11.20	.81	.50	.016
30	90.0	8.80	3.79	-3.83	7.62	1.16	-3.83	1.761E-04	.065	.062	9.959E-07	11.20	.81	.50	.091
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	7.172E-04	.298	.283	2.106E-05	11.20	.81	.50	.420
32	90.0	7.24	3.83	-3.79	7.24	0.00	-3.79	1.711E-03	.708	.676	1.195E-04	11.21	.81	.50	
33	90.0	3.71	3.73	-3.92	3.71	0.00	-3.92	2.918E-03	1.214	1.153	3.493E-04	11.19	.81	.50	
34	90.0	3.00	3.67	-3.95	0.80	0.00	-3.95	3.040E-03	1.266	1.201	3.797E-04	11.18	.81	.50	
35	90.0	-3.53	3.73	-3.89	-3.59	0.80	-3.89	3.310E-03	1.379	1.311	4.511E-04	11.19	.81	.50	
36	90.0	-7.29	3.80	-3.74	-7.20	0.00	-3.74	3.385E-03	1.408	1.337	4.672E-04	11.22	.81	.50	
37	90.0	-7.97	3.83	-3.79	-7.62	.37	-3.79	1.715E-03	.710	.676	1.202E-04	11.21	.81	.50	.508
38	90.0	-8.75	3.80	-3.74	-7.62	1.15	-3.74	1.533E-04	.063	.061	9.507E-07	11.22	.81	.50	.045
39	90.0	-9.95	3.82	-3.80	-7.62	2.35	-3.80	1.112E-05	.005	.004	5.849E-09	11.21	.81	.50	.003
40	90.0	-11.22	3.82	-3.83	-7.62	3.62	-3.80	7.588E-06	.003	.003	2.382E-09	11.21	.81	.50	.002
41	90.0	-12.64	3.95	-3.67	-7.62	5.04	-3.67	7.920E-06	.003	.003	2.554E-09	11.23	.81	.50	.002
42	90.0	-13.29	4.33	-3.62	-7.62	5.68	-3.62	7.659E-06	.003	.003	2.392E-09	11.24	.81	.50	.002
43	90.0	13.37	-.27	-7.35	7.62	5.78	-7.35	3.734E-07	.000	.000	6.676E-12	10.33	.75	.50	.000
44	90.0	12.57	.23	-7.33	7.62	4.91	-7.33	8.282E-06	.004	.003	3.208E-09	10.33	.75	.50	.004
45	90.0	11.33	.31	-7.32	7.62	3.72	-7.32	7.946E-06	.004	.003	3.018E-09	10.34	.75	.50	.004
46	90.0	10.03	.26	-7.36	7.62	2.37	-7.36	2.525E-05	.012	.010	3.053E-08	10.33	.75	.50	.012
47	90.0	8.82	.27	-7.35	7.62	1.15	-7.35	3.002E-04	.146	.119	4.313E-06	10.33	.75	.50	.146

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), 408C-E RSI GAPS, RUN (31) 1973 PAGE 104

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	90.0	7.99	.36	-7.26	7.62	.33	-7.26	1.096E-03	.530	.433	5.723E-05	10.36	.75	.50	.530
49	90.0	7.30	.35	-7.27	7.30	0.00	-7.27	2.059E-03	1.000	.817	2.840E-04	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	3.145E-03	1.525	1.243	4.730E-04	10.33	.75	.50	
51	90.0	0.00	.22	-7.40	0.00	0.00	-7.40	2.891E-03	1.407	1.142	4.013E-04	10.31	.75	.50	
52	90.0	-3.69	.27	-7.35	-3.58	0.00	-7.35	2.640E-03	1.282	1.043	3.338E-04	10.33	.75	.50	
53	90.0	-7.24	.46	-7.16	-7.24	0.00	-7.16	2.293E-03	1.103	.906	2.494E-04	10.39	.75	.50	
54	90.0	-7.89	.36	-7.26	-7.62	.31	-7.26	1.496E-03	.699	.571	9.964E-05	10.36	.75	.50	.634
55	90.0	-8.69	.32	-7.30	-7.62	1.11	-7.30	1.311E-04	.063	.052	8.218E-07	10.34	.75	.50	.058
56	90.0	-9.90	.37	-7.25	-7.62	2.32	-7.25	9.850E-06	.005	.004	4.633E-09	10.36	.75	.50	.004
57	90.0	-11.28	.36	-7.26	-7.62	3.70	-7.26	5.924E-06	.003	.002	1.673E-09	10.36	.75	.50	.003
58	90.0	-12.55	.38	-7.24	-7.62	4.97	-7.24	4.984E-06	.002	.002	1.145E-09	10.36	.75	.50	.002
59	90.0	-13.20	.37	-7.25	-7.62	5.62	-7.25	4.259E-06	.002	.002	8.684E-10	10.36	.75	.50	.002
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	1.204E-03	.592	.476	7.037E-05	10.24	.74	.50	.592
61	90.0	7.35	0.30	-7.62	7.35	1.17	-7.62	2.398E-04	.118	.094	2.771E-06	10.24	.74	.50	.118
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	2.778E-05	.014	.011	3.744E-08	10.24	.74	.50	.014
63	90.0	7.19	0.00	-7.62	7.19	3.71	-7.62	1.451E-05	.007	.006	1.022E-08	10.24	.74	.50	.007
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	1.416E-05	.007	.006	9.729E-09	10.24	.74	.50	.007
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	7.187E-06	.004	.003	2.506E-09	10.24	.74	.50	.004
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	1.897E-03	.933	.750	1.747E-04	10.24	.74	.50	.612
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	2.856E-04	.101	.081	2.051E-06	10.24	.74	.50	.866
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	2.534E-05	.013	.010	3.366E-08	10.24	.74	.50	.008
69	90.0	3.50	0.00	-7.62	3.50	3.74	-7.62	6.032E-06	.003	.002	1.765E-09	10.24	.74	.50	.002
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	3.996E-14	.000	.000	7.748E-26	10.24	.74	.50	.000
71	90.0	3.40	0.00	-7.62	3.40	5.01	-7.62	1.082E-05	.005	.004	5.675E-09	10.24	.74	.50	.003
72	90.0	3.00	0.00	-7.62	0.00	.38	-7.62	3.565E-06	.002	.001	6.168E-10	10.24	.74	.50	.001
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	1.754E-04	.086	.069	1.493E-06	10.24	.74	.50	.061
74	90.0	0.00	0.00	-7.62	0.00	2.37	-7.62	1.295E-05	.006	.005	8.131E-09	10.24	.74	.50	.005
75	90.0	0.00	0.00	-7.62	0.00	3.70	-7.62	1.951E-05	.010	.008	1.846E-08	10.24	.74	.50	.007
76	90.0	0.00	0.00	-7.62	0.00	4.99	-7.62	1.165E-05	.006	.005	6.586E-09	10.24	.74	.50	.004
77	90.0	0.00	0.00	-7.62	0.00	5.74	-7.62	6.756E-06	.003	.003	2.215E-09	10.24	.74	.50	.002
78	90.0	-3.59	0.00	-7.62	-3.59	.38	-7.62	1.366E-03	.672	.540	9.047E-05	10.24	.74	.50	.524
79	90.0	-3.63	0.00	-7.62	-3.63	1.17	-7.62	1.585E-04	.078	.063	1.219E-06	10.24	.74	.50	.061
80	90.0	-3.60	0.00	-7.62	-3.60	2.42	-7.62	1.371E-05	.007	.005	9.120E-09	10.24	.74	.50	.005
81	90.0	-3.55	0.00	-7.62	-3.55	3.76	-7.62	1.276E-05	.006	.005	7.903E-09	10.24	.74	.50	.005
82	90.0	-3.58	0.00	-7.62	-3.58	5.08	-7.62	1.228E-05	.006	.005	7.320E-09	10.24	.74	.50	.005
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	8.007E-06	.004	.003	3.110E-09	10.24	.74	.50	.003
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	1.353E-03	.671	.539	9.014E-05	10.24	.74	.50	.638
85	90.0	-7.39	0.00	-7.62	-7.33	1.09	-7.62	1.027E-04	.051	.041	5.121E-07	10.24	.74	.50	.046
86	90.0	-7.36	0.00	-7.62	-7.36	2.36	-7.62	6.884E-06	.003	.003	2.299E-09	10.24	.74	.50	.003
87	90.0	-7.33	0.00	-7.62	-7.33	3.74	-7.62	8.534E-06	.004	.003	3.617E-09	10.24	.74	.50	.004
88															
89															

MACH = 10.298 TT = 1.014E+03(K)
PW E06 = 5.665E-01 PI = 5.145 E+06(N/M2)
PL E06 = 8.062E-02 T1 = 4.788E+01(K)
PE/METER = 3.174E+06 P1 = 0.975E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.015E+01(KG/M2-S)
TW = 294.5 (K) GAP = .457 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	13.39	7.62	0.00	7.62	5.78	.99	2.821E-05	.008	.008	1.610E-08	11.55	.83	.50	.014
10	82.5	12.72	7.62	0.00	7.62	5.03	.99	1.496E-05	.006	.006	8.818E-09	11.55	.83	.50	.010
11	82.5	11.34	7.62	0.00	7.62	3.74	.99	2.757E-05	.011	.011	2.997E-08	11.55	.83	.50	.019
12	82.5	10.05	7.62	0.00	7.62	2.36	.99	2.363E-05	.009	.009	2.200E-08	11.55	.83	.50	.016
13	82.5	8.83	7.62	0.00	7.62	1.14	.99	1.377E-04	.055	.054	7.469E-07	11.55	.83	.50	.095
14	82.5	8.02	7.62	0.00	7.62	.33	.99	5.074E-04	.202	.200	1.615E-05	11.55	.83	.50	.351
15	82.5	7.29	7.62	0.00	7.29	0.00	.95	1.444E-03	.575	.571	8.218E-05	11.55	.83	.50	
16	82.5	3.63	7.62	0.00	3.63	0.00	.47	3.039E-03	1.205	1.201	3.626E-04	11.56	.83	.50	
17	82.5	0.00	7.62	0.00	0.00	0.00	0.00	3.260E-03	1.288	1.288	4.157E-04	11.56	.83	.50	
18	82.5	-3.64	7.62	0.00	-3.64	0.00	-.46	3.409E-03	1.352	1.347	4.561E-04	11.55	.83	.50	
19	82.5	-7.27	7.62	0.00	-7.27	0.00	-.95	3.436E-03	1.368	1.358	4.651E-04	11.53	.83	.50	
20	82.5	-7.97	7.62	0.00	-7.62	.41	-.99	1.824E-03	.727	.721	1.312E-04	11.52	.83	.50	.531
21	82.5	-8.72	7.62	0.00	-7.62	1.17	-.99	2.374E-04	.095	.094	2.222E-06	11.52	.83	.50	.069
22	82.5	-9.94	7.62	0.00	-7.62	2.39	-.99	6.470E-05	.026	.026	1.650E-07	11.52	.83	.50	.019
23	82.5	-11.25	7.62	0.00	-7.62	3.70	-.99	3.790E-05	.015	.015	5.663E-08	11.52	.83	.50	.011
24	82.5	-12.57	7.62	0.00	-7.62	5.07	-.99	2.602E-05	.010	.010	2.669E-08	11.52	.83	.50	.008
25	82.5	-13.29	7.62	0.00	-7.62	5.73	-.99	1.861E-05	.007	.007	1.365E-08	11.52	.83	.50	.005
26	82.5	13.35	3.86	-3.75	7.62	5.70	-2.74	1.614E-05	.007	.006	1.043E-08	11.37	.82	.50	.009
27	82.5	12.68	3.82	-3.80	7.62	5.04	-2.78	1.536E-05	.006	.006	9.481E-09	11.36	.82	.50	.008
28	82.5	11.36	3.86	-3.76	7.62	3.72	-2.73	2.000E-05	.009	.008	1.602E-08	11.37	.82	.50	.011
29	82.5	10.09	3.81	-3.81	7.62	2.44	-2.79	3.077E-05	.012	.012	3.797E-08	11.36	.82	.50	.016
30	82.5	8.90	3.79	-3.83	7.62	1.16	-2.80	1.582E-04	.064	.063	1.004E-06	11.36	.82	.50	.085
31	82.5	7.97	3.75	-3.87	7.62	.33	-2.84	7.982E-04	.324	.315	2.558E-05	11.35	.82	.50	.428
32	82.5	7.24	3.93	-3.79	7.24	0.00	-2.81	1.857E-03	.757	.738	1.399E-04	11.36	.82	.50	
33	82.5	3.71	3.70	-3.92	3.71	0.00	-3.40	3.054E-03	1.254	1.207	3.791E-04	11.27	.81	.50	
34	82.5	0.00	3.67	-3.95	0.00	0.00	-3.92	3.064E-03	1.274	1.211	3.864E-04	11.19	.81	.50	
35	82.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.209E-03	1.357	1.268	4.389E-04	11.11	.80	.50	
36	82.5	-7.23	3.88	-3.74	-7.20	0.00	-4.66	3.222E-03	1.381	1.273	4.405E-04	11.04	.80	.50	
37	82.5	-7.97	3.93	-3.79	-7.62	.37	-4.75	1.648E-03	.709	.651	1.157E-04	11.02	.80	.50	.513
38	82.5	-9.75	3.88	-3.74	-7.62	1.15	-4.70	1.403E-04	.060	.055	8.366E-07	11.03	.80	.50	.044
39	82.5	-9.95	3.82	-3.80	-7.62	2.35	-4.76	2.456E-05	.011	.010	2.569E-08	11.02	.80	.50	.008
40	82.5	-11.22	3.82	-3.80	-7.62	3.62	-4.76	2.742E-05	.012	.011	3.202E-08	11.02	.80	.50	.009
41	82.5	-12.64	3.95	-3.67	-7.62	5.04	-4.63	1.994E-05	.008	.007	1.521E-08	11.05	.80	.50	.006
42	82.5	-13.29	4.01	-3.62	-7.62	5.68	-4.58	2.332E-06	.001	.001	2.301E-10	11.06	.80	.50	.001
43	82.5	13.37	.27	-7.35	7.62	5.70	-6.29	4.529E-06	.002	.002	9.347E-10	10.65	.77	.50	.002
44	82.5	12.67	.29	-7.33	7.62	4.91	-6.27	8.310E-06	.004	.003	3.143E-09	10.65	.77	.50	.003
45	82.5	11.39	.31	-7.32	7.62	3.72	-6.26	1.723E-05	.008	.007	1.351E-08	10.65	.77	.50	.007
46	82.5	10.13	.26	-7.36	7.62	2.37	-6.30	5.279E-05	.024	.021	1.270E-07	10.64	.77	.50	.021
47	82.5	8.92	.27	-7.35	7.62	1.16	-6.29	3.351E-04	.154	.132	5.116E-06	10.65	.77	.50	.134

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	YT (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	PT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	82.5	7.99	.36	-7.26	7.62	.33	-6.21	1.302E-03	.597	.515	7.697E-05	10.67	.77	.50	.528
49	82.5	7.30	.35	-7.27	7.30	0.00	-6.25	2.498E-03	1.148	.987	2.839E-04	10.66	.77	.50	
50	82.5	3.69	.29	-7.33	3.69	0.00	-6.78	3.591E-03	1.695	1.419	6.824E-04	10.50	.76	.50	
51	82.5	0.00	.22	-7.40	0.00	0.00	-7.34	3.152E-03	1.529	1.246	4.772E-04	10.33	.75	.50	
52	82.5	-3.58	.27	-7.35	-3.58	0.00	-7.76	2.763E-03	1.373	1.092	3.749E-04	10.19	.74	.50	
53	82.5	-7.24	.46	-7.16	-7.24	0.00	-8.04	2.107E-03	1.063	.833	2.216E-04	10.09	.74	.50	
54	82.5	-7.89	.36	-7.26	-7.62	.31	-8.19	1.323E-03	.673	.523	8.820E-05	10.04	.73	.50	.634
55	82.5	-8.69	.32	-7.30	-7.62	1.11	-8.23	1.341E-04	.868	.053	9.082E-07	10.03	.73	.50	.864
56	82.5	-9.90	.37	-7.25	-7.62	2.32	-8.19	2.180E-05	.011	.009	2.393E-08	10.04	.73	.50	.010
57	82.5	-11.28	.36	-7.26	-7.62	3.70	-8.19	1.596E-05	.008	.006	1.283E-08	10.04	.73	.50	.008
58	82.5	-12.55	.38	-7.24	-7.62	4.97	-8.18	1.181E-05	.006	.005	7.817E-09	10.05	.73	.50	.006
59	82.5	-13.20	.37	-7.25	-7.62	5.62	-8.18	1.024E-05	.005	.004	5.273E-09	10.04	.73	.50	.005
60	82.5	7.14	0.00	-7.62	7.14	.27	-6.62	1.439E-03	.674	.569	9.598E-05	10.55	.76	.50	.587
61	82.5	7.35	0.00	-7.62	7.35	1.17	-6.60	2.740E-04	.128	.108	3.473E-06	10.56	.77	.50	.112
62	82.5	7.13	0.00	-7.62	7.13	2.34	-6.62	5.249E-05	.025	.021	1.277E-07	10.55	.76	.50	.021
63	82.5	7.19	0.00	-7.62	7.19	3.71	-6.62	1.799E-05	.008	.007	1.499E-08	10.55	.76	.50	.007
64	82.5	7.14	0.00	-7.62	7.14	5.02	-6.62	1.163E-05	.005	.005	6.267E-09	10.55	.76	.50	.005
65	82.5	7.14	0.00	-7.62	7.14	5.63	-6.62	1.238E-05	.006	.005	7.097E-09	10.55	.76	.50	.005
66	82.5	3.44	0.00	-7.62	3.44	.36	-7.11	2.121E-03	1.017	.838	2.136E-04	10.48	.76	.50	.680
67	82.5	3.44	0.00	-7.62	3.44	1.19	-7.11	2.159E-04	.104	.085	2.212E-06	10.48	.76	.50	.861
68	82.5	3.45	0.00	-7.62	3.45	2.44	-7.10	2.366E-05	.011	.009	2.657E-08	10.48	.76	.50	.007
69	82.5	3.50	0.00	-7.62	3.50	3.74	-7.10	8.804E-06	.004	.003	3.840E-09	10.41	.76	.50	.002
70	82.5	3.46	0.00	-7.62	3.46	5.04	-7.10	4.323E-14	.000	.000	8.871E-26	10.41	.76	.50	.000
71	82.5	3.40	0.00	-7.62	3.40	5.81	-7.11	4.083E-06	.002	.002	7.608E-10	10.40	.76	.50	.001
72	82.5	0.00	0.00	-7.62	0.00	.38	-7.55	8.928E-06	.004	.004	3.869E-09	10.26	.75	.50	.003
73	82.5	0.00	0.00	-7.62	0.00	1.15	-7.55	1.637E-04	.080	.065	1.380E-06	10.26	.75	.50	.052
74	82.5	0.00	0.00	-7.62	0.00	2.37	-7.55	1.825E-05	.009	.007	1.617E-08	10.26	.75	.50	.006
75	82.5	0.00	0.00	-7.62	0.00	3.70	-7.55	1.334E-05	.008	.006	1.143E-08	10.26	.75	.50	.005
76	82.5	0.00	0.00	-7.62	0.00	4.99	-7.55	1.327E-05	.007	.005	8.547E-09	10.26	.75	.50	.004
77	82.5	0.00	0.00	-7.62	0.00	5.74	-7.55	9.123E-06	.004	.004	4.040E-09	10.26	.75	.50	.003
78	82.5	-3.59	0.00	-7.62	-3.59	.38	-8.02	1.473E-03	.742	.582	1.082E-04	10.10	.74	.50	.542
79	82.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	1.533E-04	.082	.065	1.331E-06	10.10	.74	.50	.060
80	82.5	-3.60	0.00	-7.62	-3.60	2.42	-8.02	3.199E-05	.016	.013	5.171E-08	10.10	.74	.50	.012
81	82.5	-3.55	0.00	-7.62	-3.55	3.76	-8.02	2.278E-05	.011	.009	2.569E-08	10.10	.74	.50	.008
82	82.5	-3.58	0.00	-7.62	-3.58	5.09	-8.02	2.253E-05	.011	.009	2.531E-08	10.10	.74	.50	.008
83	82.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	2.255E-06	.001	.001	2.537E-10	10.10	.74	.50	.001
84	82.5	-7.37	0.00	-7.62	-7.33	.31	-8.51	1.289E-03	.668	.509	8.518E-05	9.92	.72	.50	.628
85	82.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	1.029E-04	.053	.041	5.434E-07	9.92	.72	.50	.050
86	82.5	-7.36	0.00	-7.62	-7.36	2.36	-8.52	2.852E-05	.015	.011	4.173E-08	9.92	.72	.50	.014
87	82.5	-7.33	0.00	-7.62	-7.33	3.74	-8.51	1.442E-05	.007	.006	1.067E-08	9.92	.72	.50	.007
88	82.5	-7.33	0.00	-7.62	-7.33	5.03	-8.51	8.225E-06	.004	.003	3.470E-09	9.92	.72	.50	.004
89	82.5	-7.35	0.00	-7.62	-7.35	5.66	-8.51	3.030E-06	.002	.001	4.703E-10	9.92	.72	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CEHT TEST (92), MOAC-E RSI GAPS, RUN (33) 1973 PAGE 107

MACH = 10.290 TT = 1.009E+03(K)
PX EOF = 5.722E-01 PI = 5.150E+05(N/M2)
PL Eu6 = 9.144E-02 T1 = 4.756E+01(K)
RE/METER = 3.206E+06 P1 = 0.977E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.019E+01(KG/M2-S)
TW = 295.3 (K) GAP = .457 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.89F FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	13.39	7.62	0.00	7.62	5.79	1.97	1.207E-05	.005	.005	5.759E-09	11.50	.83	.50	.008
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	1.197E-05	.005	.005	5.668E-09	11.50	.83	.50	.008
11	75.0	11.34	7.62	0.00	7.62	3.74	1.97	1.744E-05	.007	.007	1.204E-08	11.50	.83	.50	.012
12	75.0	10.05	7.62	0.00	7.62	2.36	1.97	3.185E-05	.013	.013	4.012E-08	11.50	.83	.50	.022
13	75.0	8.83	7.62	0.00	7.62	1.14	1.97	1.357E-04	.054	.054	7.284E-07	11.50	.83	.50	.093
14	75.0	8.02	7.62	0.00	7.62	.33	1.97	5.746E-04	.231	.227	1.306E-05	11.50	.83	.50	.394
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.460E-03	.585	.577	8.424E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	3.034E-03	1.288	1.199	3.612E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.248E-03	1.283	1.283	4.188E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	3.405E-03	1.355	1.345	4.548E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	3.551E-03	1.460	1.439	5.238E-04	11.46	.82	.50	
20	75.0	-7.97	7.62	0.00	-7.62	.41	-1.97	2.005E-03	.805	.792	1.590E-04	11.45	.82	.50	.551
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	2.659E-04	.107	.105	2.819E-06	11.45	.82	.50	.073
22	75.0	-9.94	7.62	0.00	-7.62	2.39	-1.97	5.358E-05	.022	.021	1.135E-07	11.45	.82	.50	.015
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	9.857E-06	.004	.004	3.245E-09	11.45	.82	.50	.002
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	1.713E-05	.007	.007	1.161E-08	11.45	.82	.50	.005
25	75.0	-13.28	7.62	0.00	-7.62	5.73	-1.97	1.729E-05	.007	.007	1.183E-08	11.45	.82	.50	.005
26	75.0	13.35	3.86	-3.76	7.62	5.70	-1.66	1.331E-06	.001	.001	6.993E-11	11.48	.83	.50	.001
27	75.0	12.69	3.82	-3.80	7.62	5.04	-1.70	1.564E-06	.001	.001	9.656E-11	11.48	.83	.50	.001
28	75.0	11.36	3.86	-3.76	7.62	3.72	-1.66	1.231E-05	.005	.005	5.976E-09	11.48	.83	.50	.008
29	75.0	10.68	3.81	-3.81	7.62	2.44	-1.71	2.148E-05	.009	.008	1.821E-08	11.48	.83	.50	.011
30	75.0	9.80	3.79	-3.83	7.62	1.16	-1.73	1.304E-04	.052	.052	6.713E-07	11.47	.82	.50	.054
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	8.593E-04	.344	.348	2.916E-05	11.47	.82	.50	.422
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.037E-03	.816	.805	1.639E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	3.154E-03	1.279	1.246	3.978E-04	11.35	.82	.50	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	3.013E-03	1.248	1.191	3.786E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	3.072E-03	1.318	1.214	3.991E-04	11.04	.80	.50	
36	75.0	-7.28	3.88	-3.74	-7.28	0.00	-5.50	3.063E-03	1.361	1.210	4.113E-04	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	1.574E-03	.704	.622	1.092E-04	10.82	.78	.50	.517
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	1.571E-04	.070	.062	1.085E-06	10.83	.78	.50	.051
39	75.0	-9.95	3.82	-3.80	-7.62	2.35	-5.64	3.194E-05	.014	.013	4.496E-08	10.82	.78	.50	.010
40	75.0	-11.27	3.82	-3.80	-7.62	3.62	-5.64	1.590E-05	.007	.006	1.114E-08	10.82	.78	.50	.005
41	75.0	-12.94	3.95	-3.67	-7.62	5.64	-5.51	8.604E-06	.004	.003	3.244E-09	10.85	.78	.50	.003
42	75.0	-13.29	4.00	-3.62	-7.62	5.68	-5.47	1.020E-05	.005	.004	4.552E-09	10.86	.78	.50	.003
43															
44	75.0	12.57	.29	-7.33	7.62	4.91	-5.13	2.926E-06	.001	.001	3.666E-10	10.95	.79	.50	.001
45	75.0	11.34	.33	-7.32	7.62	3.72	-5.09	8.829E-06	.004	.003	3.351E-09	10.95	.79	.50	.003
46	75.0	10.03	.26	-7.36	7.62	2.37	-5.13	4.511E-05	.020	.018	9.156E-08	10.94	.79	.50	.016
47	75.0	8.82	.27	-7.35	7.62	1.16	-5.12	3.631E-04	.159	.143	5.674E-06	10.94	.79	.50	.127

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MTAC-E RSI GAPS, RUN (33) 1973 PAGE 108

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.0	7.99	.36	-7.26	7.62	.33	-5.84	1.80E-03	.644	.585	9.389E-05	10.96	.79	.50	.516
49	75.0	7.38	.35	-7.27	7.30	0.00	-5.13	2.856E-03	1.248	1.129	3.512E-04	10.94	.79	.50	
50	75.0	7.69	.29	-7.33	3.69	0.00	-6.12	3.564E-03	1.603	1.456	6.111E-04	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	2.953E-03	1.439	1.183	4.243E-04	10.39	.75	.50	
52	75.0	-7.59	.27	-7.35	-3.58	0.00	-8.03	2.565E-03	1.333	1.045	3.476E-04	10.10	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	0.00	-8.79	1.90E-03	1.000	.751	1.873E-04	9.92	.72	.50	
54	75.0	-7.89	.36	-7.26	-7.62	.31	-8.99	1.195E-03	.636	.472	7.486E-05	9.74	.71	.50	.636
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-9.02	1.208E-04	.064	.048	7.670E-07	9.73	.71	.50	.064
56	75.0	-9.90	.37	-7.25	-7.62	2.32	-8.98	1.790E-05	.010	.007	1.679E-08	9.74	.71	.50	.010
57	75.0	-11.28	.36	-7.26	-7.62	3.70	-8.98	9.418E-06	.005	.004	4.651E-09	9.74	.71	.50	.005
58	75.0	-12.55	.38	-7.24	-7.62	4.97	-8.97	1.890E-05	.006	.004	5.669E-09	9.75	.71	.50	.006
59	75.0	-13.23	.37	-7.25	-7.62	5.62	-8.98	2.516E-06	.001	.001	3.317E-10	9.75	.71	.50	.001
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	1.393E-03	.730	.649	1.183E-04	10.85	.78	.50	.585
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	2.994E-04	.133	.118	3.920E-06	10.86	.78	.50	.106
62	75.0	7.13	0.00	-7.62	7.13	2.34	-5.52	2.952E-05	.013	.012	3.845E-08	10.85	.78	.50	.011
63	75.0	7.19	0.00	-7.62	7.19	3.71	-5.50	9.080E-06	.004	.004	4.286E-09	10.85	.78	.50	.003
64															
65															
66	75.0	3.46	0.00	-7.62	3.46	5.04	-6.46	4.522E-14	.000	.000	9.359E-26	10.60	.77	.50	.000
67	75.0	3.44	0.00	-7.62	3.44	5.81	-6.46	1.185E-06	.001	.000	6.433E-11	10.59	.77	.50	.000
68	75.0	3.45	0.00	-7.62	3.45	2.44	-6.47	1.422E-05	.007	.006	9.259E-09	10.60	.77	.50	.004
69	75.0	3.50	0.00	-7.62	3.50	3.74	-6.45	1.063E-05	.005	.004	5.170E-09	10.60	.77	.50	.003
70	75.0	3.46	0.00	-7.62	3.46	5.04	-6.46	4.522E-14	.000	.000	9.359E-26	10.60	.77	.50	.000
71	75.0	3.44	0.00	-7.62	3.44	5.81	-6.46	1.185E-06	.001	.000	6.433E-11	10.59	.77	.50	.000
72	75.0	0.00	0.00	-7.62	0.00	.38	-7.36	5.144E-06	.002	.002	1.267E-09	10.32	.75	.50	.002
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	1.457E-04	.071	.058	1.017E-06	10.32	.75	.50	.049
74	75.0	0.00	0.00	-7.62	0.00	2.37	-7.36	1.652E-05	.008	.007	1.306E-08	10.32	.75	.50	.006
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	1.578E-05	.008	.007	1.335E-08	10.32	.75	.50	.006
76	75.0	0.00	0.00	-7.62	0.00	4.99	-7.36	9.007E-06	.004	.004	3.804E-09	10.32	.75	.50	.003
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	7.985E-06	.004	.003	3.052E-09	10.32	.75	.50	.003
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-9.29	1.332E-03	.682	.527	8.953E-05	10.00	.73	.50	.511
79	75.0	-3.63	0.00	-7.62	-3.63	1.17	-9.30	1.287E-04	.066	.051	8.357E-07	10.00	.73	.50	.049
80	75.0	-3.60	0.00	-7.62	-3.60	2.42	-8.29	2.174E-05	.011	.009	2.383E-08	10.00	.73	.50	.008
81	75.0	-3.56	0.00	-7.62	-3.56	3.76	-8.28	1.428E-05	.007	.006	1.027E-08	10.01	.73	.50	.005
82	75.0	-3.58	0.00	-7.62	-3.58	5.09	-8.29	1.074E-05	.005	.004	5.811E-09	10.01	.73	.50	.004
83	75.0	-3.62	0.00	-7.62	-3.62	5.79	-8.30	8.044E-06	.004	.003	3.264E-09	10.00	.73	.50	.003
84	75.0	-7.32	0.00	-7.62	-7.32	.31	-9.26	1.190E-03	.593	.470	7.533E-05	9.63	.71	.50	.593
85	75.0	-7.75	0.00	-7.62	-7.75	1.09	-9.26	9.599E-05	.052	.038	-.907E-07	9.63	.71	.53	.052
86	75.0	-7.76	0.00	-7.62	-7.76	1.36	-9.26	1.512E-05	.008	.006	1.219E-08	9.63	.71	.50	.006
87	75.0	-7.74	0.00	-7.62	-7.74	2.74	-9.26	1.975E-05	.010	.007	1.871E-08	9.63	.71	.50	.010
88	75.0	-7.63	0.00	-7.62	-7.63	3.24	-9.24	1.159E-05	.006	.005	7.151E-09	9.63	.71	.50	.005
89	75.0	-7.65	0.00	-7.62	-7.65	5.66	-9.24	1.284E-05	.007	.005	9.774E-09	9.63	.71	.50	.007

CENT TEST (92), MOAC-E RST GAPS, RUN # 34) 1973 PAGE 139

MACH = 10.293
PX E06 = 5.710E-01
PL E06 = 9.127E-02
RE/METER = 3.199E+06
HO = 2.554E+03(W/M2- K)
TW = 295.3 (K)
STEP = 0.300(CM)

TT = 1.010E+03(K)
PI = 5.150E+06(N/M2)
T1 = 4.752E+01(K)
P1 = 0.976E+02(N/M2)
(RHO V)1 = 1.019E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAN/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.39	7.62	0.00	7.62	5.70	3.81	1.197E-05	.005	.005	5.812E-09	11.29	.81	.50	.008
10	60.0	12.72	7.62	0.00	7.62	5.03	3.81	1.587E-05	.007	.007	1.153E-08	11.29	.81	.50	.011
11															
12	60.0	10.05	7.62	0.00	7.62	2.36	3.81	2.839E-05	.012	.011	3.268E-08	11.29	.81	.50	.018
13	60.0	8.83	7.62	0.00	7.62	1.14	3.81	1.538E-04	.063	.061	9.593E-07	11.29	.81	.50	.097
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	6.712E-04	.276	.265	1.826E-05	11.29	.81	.50	.422
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.593E-03	.653	.629	1.026E-04	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.968E-03	1.190	1.173	3.483E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.193E-03	1.262	1.262	3.974E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.322E-03	1.331	1.313	4.361E-04	11.47	.82	.50	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	3.721E-03	1.535	1.470	5.634E-04	11.24	.81	.50	
20	60.0	-7.97	7.62	0.00	-7.62	.41	-3.81	2.155E-03	.893	.852	1.898E-04	11.21	.81	.50	.581
21	60.0	-9.72	7.62	0.00	-7.62	1.17	-3.81	3.137E-04	.130	.124	4.019E-06	11.21	.81	.50	.085
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	4.533E-05	.019	.018	8.395E-08	11.21	.81	.50	.012
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	2.759E-05	.011	.011	3.109E-08	11.21	.81	.50	.007
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	2.168E-05	.009	.009	1.920E-08	11.21	.81	.50	.006
25	60.0	-13.29	7.62	0.00	-7.62	5.73	-3.81	1.983E-05	.008	.008	1.479E-08	11.21	.81	.50	.005
26	60.0	11.35	3.86	-3.76	7.62	5.70	.55	6.308E-06	.003	.002	1.558E-09	11.56	.83	.50	.003
27	60.0	12.68	3.92	-3.90	7.62	5.04	.52	2.266E-05	.009	.009	2.009E-08	11.56	.83	.50	.010
28	60.0	11.36	3.86	-3.76	7.62	3.72	.55	1.316E-05	.005	.005	6.779E-09	11.56	.83	.50	.006
29	60.0	10.68	3.81	-3.81	7.62	2.44	.51	3.598E-	.014	.014	5.067E-08	11.56	.83	.50	.015
30	60.0	9.90	3.79	-3.83	7.62	1.16	.49	1.333E-04	.053	.053	6.949E-07	11.56	.83	.50	.057
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.004E-03	.398	.397	3.942E-05	11.56	.83	.50	.429
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.341E-03	.928	.925	2.142E-04	11.56	.83	.50	
33	60.0	3.71	3.79	-3.92	3.71	0.00	-1.54	3.341E-03	1.336	1.320	4.402E-04	11.49	.83	.50	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	3.077E-03	1.264	1.216	3.836E-04	11.27	.81	.50	
35	60.0	-3.59	3.73	-3.89	-3.59	0.00	-5.16	2.943E-03	1.287	1.163	3.737E-04	10.93	.79	.50	
36	60.0	-7.28	3.86	-3.76	-7.28	0.00	-6.88	2.840E-03	1.347	1.122	3.772E-04	10.47	.76	.50	
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.89	1.458E-03	.699	.576	1.005E-04	10.41	.76	.50	.519
38	60.0	-8.75	3.88	-3.74	-7.62	1.15	-7.85	1.312E-04	.063	.052	8.116E-07	10.42	.76	.50	.047
39															
40	60.0	-11.22	3.82	-3.80	-7.62	3.82	-7.10	2.141E-06	.001	.001	2.169E-10	10.41	.76	.50	.001
41	60.0	-12.64	3.95	-3.67	-7.62	5.04	-6.99	1.636E-05	.008	.006	1.258E-08	10.44	.76	.50	.006
42	60.0	-13.29	4.00	-3.62	-7.62	5.68	-6.94	6.459E-06	.003	.003	1.957E-09	10.45	.76	.50	.002
43	60.0	13.37	.27	-7.35	7.62	5.70	-2.55	5.806E-06	.002	.002	1.340E-09	11.39	.82	.50	.002
44	60.0	12.67	.29	-7.33	7.62	4.91	-2.53	1.746E-05	.007	.007	1.211E-08	11.39	.82	.50	.005
45	60.0	11.38	.30	-7.32	7.62	3.72	-2.53	1.727E-05	.007	.007	1.185E-08	11.39	.82	.50	.005
46	60.0	10.03	.26	-7.36	7.62	2.37	-2.56	4.535E-05	.018	.018	8.180E-08	11.39	.82	.50	.014

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CM	GAMMA (DEG)	XSURF (CM)	YB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	8.82	.27	-7.35	7.62	1.16	-2.55	3.771E-04	.152	.149	5.656E-06	11.39	.82	.50	.112
48	60.0	7.99	.36	-7.26	7.62	.33	-2.48	1.709E-03	.686	.675	1.160E-04	11.40	.82	.50	.586
49	60.0	7.30	.35	-7.27	7.30	0.00	-2.64	3.352E-03	1.354	1.325	4.477E-04	11.38	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.00	-4.50	3.982E-03	1.696	1.574	6.663E-04	11.08	.88	.50	
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	2.822E-03	1.307	1.115	3.637E-04	10.61	.77	.50	
52	60.0	-3.58	.27	-7.35	-3.58	0.00	-8.16	2.281E-03	1.118	.870	2.426E-04	10.85	.73	.50	
53	60.0	-7.24	.46	-7.16	-7.24	0.00	-9.82	1.687E-03	.939	.667	1.562E-04	9.48	.69	.50	
54	60.0	-7.89	.36	-7.26	-7.62	.31	-10.10	1.053E-03	.595	.416	6.178E-05	9.28	.68	.50	.634
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	1.335E-04	.075	.053	9.936E-07	9.26	.68	.50	.080
56	60.0	-9.90	.37	-7.25	-7.62	2.32	-10.09	1.614E-05	.009	.006	1.450E-08	9.28	.68	.50	.010
57	60.0	-11.29	.36	-7.26	-7.62	3.70	-10.10	1.416E-05	.008	.006	1.117E-08	9.28	.68	.50	.009
58	60.0	-12.55	.38	-7.24	-7.62	4.97	-10.08	1.796E-05	.010	.007	1.796E-08	9.29	.68	.50	.011
59	60.0	-13.20	.37	-7.25	-7.62	5.62	-10.09	8.587E-06	.005	.003	4.185E-09	9.28	.68	.50	.005
60	60.0	7.14	0.00	-7.62	7.14	.27	-3.03	1.902E-03	.775	.751	1.453E-04	11.33	.82	.50	.572
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	2.987E-04	.121	.118	3.576E-06	11.34	.82	.50	.098
62	60.0	7.13	0.00	-7.62	7.13	2.34	-3.04	5.158E-05	.021	.020	1.869E-07	11.33	.82	.50	.016
63	60.0	7.19	0.00	-7.62	7.19	3.71	-3.00	2.542E-05	.011	.010	2.803E-08	11.33	.82	.50	.008
64	60.0	7.14	0.00	-7.62	7.14	5.02	-3.03	1.585E-05	.007	.007	1.141E-08	11.33	.82	.50	.005
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	1.074E-05	.004	.004	4.633E-09	11.33	.82	.50	.003
66	60.0	3.44	0.00	-7.62	3.44	.36	-4.88	2.212E-03	.956	.874	2.886E-04	11.08	.79	.50	.564
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	1.666E-04	.072	.066	1.184E-06	11.80	.79	.50	.042
68	60.0	3.45	0.00	-7.62	3.45	2.44	-4.87	3.569E-05	.015	.014	5.433E-08	11.80	.79	.50	.009
69	60.0	3.50	0.00	-7.62	3.50	3.74	-4.85	2.218E-05	.010	.009	2.895E-08	11.08	.79	.50	.006
70															
71	60.0	3.43	0.00	-7.62	3.40	5.81	-4.90	2.035E-05	.009	.008	1.768E-08	10.99	.79	.50	.005
72															
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	1.276E-04	.060	.058	7.511E-07	10.56	.77	.50	.046
74	60.0	0.00	0.00	-7.62	0.00	2.37	-6.60	2.909E-05	.014	.011	3.981E-08	10.56	.77	.50	.018
75	60.0	0.00	0.00	-7.62	0.00	3.70	-6.60	2.037E-05	.010	.008	1.913E-08	10.56	.77	.50	.007
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	1.240E-05	.006	.005	7.005E-09	10.56	.77	.50	.004
77	60.0	0.00	0.00	-7.62	0.00	5.74	-6.60	7.766E-06	.004	.003	2.781E-09	10.56	.77	.50	.003
78	60.0	-3.59	0.00	-7.62	-3.59	.38	-8.39	1.046E-03	.538	.413	5.557E-05	9.97	.73	.50	.482
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	1.244E-04	.064	.049	7.862E-07	9.96	.73	.50	.057
80	60.0	-3.60	0.00	-7.62	-3.60	2.42	-8.40	2.498E-05	.013	.010	3.168E-08	9.96	.73	.50	.012
81	60.0	-3.55	0.00	-7.62	-3.55	3.76	-8.37	9.714E-06	.005	.004	4.785E-09	9.97	.73	.50	.004
82	60.0	-3.58	0.00	-7.62	-3.58	5.08	-8.39	3.343E-06	.002	.001	5.672E-10	9.97	.73	.50	.002
83	60.0	-3.62	0.00	-7.62	-3.62	5.79	-8.41	7.311E-06	.004	.003	2.715E-09	9.96	.73	.50	.003
84	60.0	-7.33	0.00	-7.62	-7.33	.31	-10.26	1.125E-03	.641	.444	7.109E-05	9.21	.68	.50	.602
85	60.0	-7.36	0.00	-7.62	-7.36	1.09	-10.28	1.086E-04	.062	.043	6.629E-07	9.20	.68	.50	.066
86	60.0	-7.36	0.00	-7.62	-7.36	2.36	-10.28	3.908E-06	.002	.002	8.535E-10	9.20	.68	.50	.002
87	60.0	-7.33	0.00	-7.62	-7.33	3.74	-10.26	1.933E-05	.011	.008	2.099E-08	9.21	.68	.50	.012
88	60.0	-7.33	0.00	-7.62	-7.33	5.03	-10.26	7.193E-06	.004	.003	2.987E-09	9.21	.68	.50	.004
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH = 10.293 TT = 1.013E+03(K)
PX E06 = 5.583E-01 PI = 5.151E+06(N/M2)
PL E06 = 0.098E-12 T1 = 4.775E+01(K)
PE/METER = 3.184E+05 P1 = 0.976E+02(N/M2)
HO = 2.554E+03(W/M2- K) (RHO V)1 = 1.617E+01(KG/M2-S)
TW = 296.2 (K) GAP = .457 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	13.39	7.62	0.00	7.62	5.70	5.39	1.421E-06	.001	.001	8.510E-11	11.00	.80	.50	.001
10	45.0	12.72	7.62	0.00	7.62	5.03	5.39	6.518E-06	.003	.003	1.791E-09	11.00	.80	.50	.004
11															
12	45.0	10.05	7.62	0.00	7.62	2.36	5.39	1.687E-05	.007	.007	1.200E-08	11.00	.80	.50	.010
13	45.0	8.83	7.62	0.00	7.62	1.14	5.39	1.175E-04	.050	.046	5.820E-07	11.00	.80	.50	.067
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	7.542E-04	.322	.298	2.398E-05	11.00	.80	.50	.430
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.765E-03	.748	.697	1.384E-04	11.05	.80	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.942E-03	1.166	1.162	3.447E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.142E-03	1.242	1.242	3.854E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.236E-03	1.304	1.279	4.169E-04	11.48	.82	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	3.611E-03	1.578	1.427	5.628E-04	10.94	.79	.50	
20	45.0	-7.97	7.62	0.00	-7.62	.41	-5.39	2.999E-03	.884	.798	1.745E-04	10.88	.79	.50	.560
21	45.0	-8.72	7.62	0.00	-7.62	1.17	-5.39	2.833E-04	.125	.112	3.585E-06	10.88	.79	.50	.079
22	45.0	-9.94	7.62	0.00	-7.62	2.39	-5.39	3.771E-05	.017	.015	6.211E-08	10.88	.79	.50	.011
23	45.0	-11.25	7.62	0.00	-7.62	3.70	-5.39	3.319E-05	.015	.013	4.811E-08	10.88	.79	.50	.009
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	1.420E-05	.006	.006	8.905E-09	10.88	.79	.50	.004
25	45.0	-13.29	7.62	0.00	-7.62	5.73	-5.39	1.276E-05	.006	.005	7.115E-09	10.88	.79	.50	.004
26	45.0	13.35	3.86	-3.76	7.62	5.78	2.73	4.147E-06	.002	.002	5.867E-10	11.43	.82	.50	.002
27	45.0	12.68	3.82	-3.80	7.62	5.04	2.70	7.341E-06	.003	.003	2.151E-09	11.43	.82	.50	.003
28	45.0	11.36	3.86	-3.76	7.62	3.72	2.73	1.806E-05	.007	.007	1.383E-08	11.43	.82	.50	.007
29	45.0	10.09	3.81	-3.81	7.62	2.44	2.69	1.112E-05	.004	.004	4.939E-09	11.43	.82	.50	.004
30	45.0	8.80	3.79	-3.83	7.62	1.16	2.68	1.459E-04	.059	.058	8.498E-07	11.44	.82	.50	.056
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.181E-03	.477	.467	5.562E-05	11.44	.82	.50	.455
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.500E-03	1.047	1.027	2.688E-04	11.46	.82	.50	
33	45.0	3.71	3.78	-3.92	3.71	0.00	-.15	3.517E-03	1.391	1.398	4.833E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	3.018E-03	1.223	1.192	3.646E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	2.891E-03	1.272	1.142	3.633E-04	10.98	.79	.50	
36	45.0	-7.28	3.68	-3.74	-7.28	0.00	-7.79	2.559E-03	1.322	1.051	3.473E-04	10.16	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	1.356E-03	.685	.536	9.170E-05	10.08	.73	.50	.518
38	45.0	-8.75	3.89	-3.74	-7.62	1.15	-8.03	1.480E-04	.075	.058	1.091E-06	10.18	.74	.50	.056
39	45.0	-9.95	3.82	-3.80	-7.62	2.35	-8.08	2.952E-05	.015	.012	4.379E-08	10.08	.73	.50	.011
40	45.0	-11.22	3.82	-3.80	-7.62	3.62	-8.07	1.783E-05	.009	.007	1.588E-08	10.08	.73	.50	.007
41	45.0	-12.64	3.95	-3.67	-7.62	5.04	-7.98	1.409E-05	.007	.006	9.848E-09	10.11	.74	.50	.005
42	45.0	-13.29	4.00	-3.62	-7.62	5.68	-7.95	1.317E-05	.007	.005	8.597E-09	10.13	.74	.50	.005
43	45.0	13.37	.27	-7.35	7.62	5.70	.19	5.353E-06	.002	.002	1.120E-09	11.56	.83	.50	.002
44	45.0	12.67	.29	-7.33	7.62	4.91	.21	1.513E-05	.006	.006	1.017E-08	11.56	.83	.50	.005
45	45.0	11.39	.31	-7.32	7.62	3.72	.22	7.781E-06	.003	.003	2.367E-09	11.56	.83	.50	.002
46	45.0	10.03	.26	-7.36	7.62	2.37	.19	3.701E-05	.015	.015	5.355E-09	11.56	.83	.50	.011

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	8.82	.27	-7.35	7.62	1.16	.19	2.972E-04	.118	.117	3.453E-06	11.56	.83	.50	.007
48	45.0	7.99	.36	-7.26	7.62	.33	.25	1.734E-03	.686	.685	1.175E-04	11.56	.83	.50	.507
49	45.0	7.30	.35	-7.27	7.30	0.00	.82	3.424E-03	1.353	1.353	4.578E-04	11.56	.83	.50	
50	45.0	3.69	.29	-7.33	3.69	0.00	-2.58	3.916E-03	1.580	1.548	6.112E-04	11.39	.82	.50	
51	45.0	0.03	.22	-7.48	0.00	0.00	-5.23	2.758E-03	1.210	1.090	3.297E-04	10.92	.79	.50	
52	45.0	-3.58	.27	-7.35	-3.58	0.00	-7.73	1.994E-03	.987	.788	1.945E-04	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	1.725E-03	.978	.681	1.666E-04	9.24	.68	.50	
54	45.0	-7.89	.36	-7.26	-7.62	.31	-10.52	1.869E-03	.617	.422	6.517E-05	9.09	.67	.50	.631
55	45.0	-9.69	.32	-7.30	-7.62	1.11	-10.55	1.295E-04	.075	.051	9.585E-07	9.08	.67	.50	.077
56	45.0	-9.90	.37	-7.25	-7.62	2.32	-10.52	7.520E-06	.004	.003	3.224E-09	9.09	.67	.50	.004
57	45.0	-11.29	.36	-7.26	-7.62	3.70	-10.52	1.793E-05	.010	.007	1.834E-08	9.09	.67	.50	.011
58	45.0	-12.55	.38	-7.24	-7.62	4.97	-10.51	1.572E-05	.009	.006	1.408E-08	9.09	.67	.50	.009
59	45.0	-13.20	.37	-7.25	-7.62	5.62	-10.52	7.335E-06	.004	.003	3.066E-09	9.09	.67	.50	.004
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	1.902E-03	.754	.752	1.416E-04	11.55	.83	.50	.557
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	2.392E-04	.095	.095	2.236E-06	11.55	.83	.50	.070
62	45.0	7.13	0.00	-7.62	7.13	2.34	-.35	3.282E-05	.013	.013	4.216E-06	11.55	.83	.50	.010
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.38	1.935E-05	.008	.008	1.465E-08	11.55	.83	.50	.006
64	45.0	7.14	0.00	-7.62	7.14	5.02	-.34	2.849E-05	.008	.008	1.643E-08	11.55	.83	.50	.006
65	45.0	7.14	0.00	-7.62	7.14	5.63	-.34	6.216E-06	.002	.002	1.512E-09	11.55	.83	.50	.002
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	2.130E-03	.866	.842	1.823E-04	11.34	.82	.50	.548
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	1.452E-04	.059	.057	8.474E-07	11.34	.82	.50	.037
68	45.0	3.45	0.00	-7.62	3.45	2.44	-2.95	1.596E-05	.006	.006	1.623E-08	11.34	.82	.50	.004
69	45.0	3.50	0.00	-7.62	3.50	3.74	-2.91	2.507E-05	.011	.010	2.727E-08	11.34	.82	.50	.007
70	45.0	3.45	0.00	-7.62	3.46	5.04	-2.94	5.138E-14	.000	.000	1.060E-25	11.34	.82	.50	.000
71															
72	45.0	0.00	0.00	-7.62	0.00	.38	-5.39	7.591E-07	.000	.000	2.583E-11	10.88	.79	.50	.000
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	1.177E-04	.052	.047	6.053E-07	10.88	.79	.50	.043
74	45.0	0.00	0.00	-7.62	0.00	2.37	-5.39	2.469E-05	.011	.010	2.662E-08	10.88	.79	.50	.009
75	45.0	0.00	0.00	-7.62	0.00	3.70	-5.39	1.809E-05	.008	.007	1.429E-08	10.88	.79	.50	.007
76	45.0	0.00	0.00	-7.62	0.00	4.99	-5.39	1.325E-05	.006	.005	7.664E-09	10.88	.79	.50	.005
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	1.583E-05	.007	.006	1.095E-08	10.88	.79	.50	.006
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	9.389E-04	.470	.371	4.363E-05	10.13	.74	.50	.476
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	1.108E-04	.056	.044	6.088E-07	10.12	.74	.50	.056
80	45.0	-3.60	0.00	-7.62	-3.60	2.42	-7.93	2.276E-05	.011	.009	2.564E-08	10.13	.74	.50	.012
81	45.0	-3.55	0.00	-7.62	-3.55	3.76	-7.90	1.388E-05	.007	.005	9.523E-09	10.14	.74	.50	.007
82	45.0	-3.59	0.00	-7.62	-3.58	5.08	-7.92	1.655E-05	.008	.007	1.354E-08	10.14	.74	.50	.008
83	45.0	-3.62	0.00	-7.62	-3.62	5.79	-7.95	3.690E-06	.002	.001	6.744E-10	10.13	.74	.50	.002
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	1.167E-03	.675	.461	7.779E-05	9.07	.67	.50	.690
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	1.109E-04	.064	.044	7.030E-07	9.06	.67	.50	.066
86	45.0	-7.35	0.00	-7.62	-7.36	2.36	-10.59	1.347E-05	.008	.005	1.038E-08	9.06	.67	.50	.008
87	45.0	-7.33	0.00	-7.62	-7.33	3.74	-10.57	1.221E-05	.007	.005	8.515E-09	9.07	.67	.50	.007
88	45.0	-7.33	0.00	-7.62	-7.33	5.03	-10.57	9.026E-06	.005	.004	4.656E-09	9.07	.67	.50	.005
89	45.0	-7.35	0.00	-7.62	-7.35	5.66	-10.59	7.660E-06	.004	.003	3.356E-09	9.06	.67	.50	.005

RSI GAP HEATING ANALYSIS
FINAL REPORT VOLUME II
REPORT MDC E1003 29 JANUARY 1974
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.
MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (32), MOAC-E RSI GAPS, RUN (36) 1973 PAGE 17

MACH = 10.290 TT = 1.011E+03(K)
PX FUS = 7.886E-02 PI = 5.148E+06(N/M2)
PL EDF = 8.105E-02 T1 = 4.758E+01(K)
PERMETER = 3.191E+06 P1 = 0.976E+02(N/M2)
HO = 2.554E+08(M/M2- K) (RHO V)1 = 1.018E+01(KG/M2-S)
TW = 295.2 (K) GAP = .457 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO TILE COORDINATES(GAMMA=0.0
VSURF =SURFACE DISTANCE XB = X-COOR. FROM TILE L.E.
(FLOW DIRECTION) XC = X-COOR. FROM TILE CENTER
(0.0 OR 90 DEG) YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	92.5	-13.39	7.62	0.00	-7.62	5.70	-.99	2.818E-05	.008	.008	1.589E-09	11.52	.83	.50	.006
10	92.5	-12.72	7.62	0.00	-7.62	5.03	-.99	2.167E-05	.009	.009	1.047E-08	11.52	.83	.50	.007
11	92.5	-11.34	7.62	0.00	-7.62	3.74	-.99	3.211E-05	.013	.013	4.054E-08	11.52	.83	.50	.010
12	92.5	-10.05	7.62	0.00	-7.62	2.36	-.99	1.493E-05	.006	.006	8.768E-09	11.52	.83	.50	.005
13	92.5	-8.83	7.62	0.00	-7.62	1.14	-.99	2.572E-04	.102	.102	2.602E-06	11.52	.83	.50	.078
14	92.5	-8.02	7.62	0.00	-7.62	.33	-.99	2.105E-03	.830	.832	1.742E-04	11.52	.83	.50	.641
15	92.5	-7.29	7.62	0.00	-7.29	0.00	-.95	3.286E-03	1.308	1.298	4.244E-04	11.53	.83	.50	
16	92.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.429E-03	1.360	1.355	4.685E-04	11.55	.83	.50	
17	92.5	0.00	7.62	0.00	0.00	0.00	0.00	3.083E-03	1.218	1.218	3.709E-04	11.56	.83	.50	
18	92.5	3.54	7.62	0.00	3.54	0.00	.46	2.834E-03	1.124	1.120	3.144E-04	11.56	.83	.50	
19	92.5	7.27	7.62	0.00	7.27	0.00	.95	1.591E-03	.633	.629	9.947E-05	11.55	.83	.50	
20	92.5	7.97	7.62	0.00	7.62	.41	.99	5.134E-04	.204	.203	1.036E-05	11.55	.83	.50	.323
21	92.5	8.72	7.62	0.00	7.62	1.17	.99	1.606E-04	.064	.063	1.014E-06	11.55	.83	.50	.101
22	92.5	9.94	7.62	0.00	7.62	2.39	.99	2.544E-05	.011	.010	2.748E-08	11.55	.83	.50	.017
23	92.5	11.25	7.62	0.00	7.62	3.70	.99	1.222E-05	.005	.005	5.871E-09	11.55	.83	.50	.008
24	92.5	12.62	7.62	0.00	7.62	5.07	.99	2.328E-06	.001	.001	2.117E-10	11.55	.83	.50	.001
25	92.5	13.28	7.62	0.00	7.62	5.73	.99	5.783E-06	.002	.002	1.315E-09	11.55	.83	.50	.004
26	92.5	-13.35	11.38	3.76	-7.62	5.70	2.74	1.559E-05	.006	.006	9.706E-09	11.43	.82	.50	.004
27	92.5	-12.68	11.42	3.80	-7.62	5.04	2.78	9.158E-06	.004	.004	3.350E-09	11.43	.82	.50	.003
28	92.5	-11.36	11.38	3.76	-7.62	3.72	2.73	8.499E-06	.003	.003	2.883E-09	11.43	.82	.50	.002
29	92.5	-10.08	11.43	3.81	-7.62	2.44	2.79	5.241E-05	.021	.021	1.097E-07	11.42	.82	.50	.015
30	92.5	-8.80	11.45	3.83	-7.62	1.16	2.80	1.548E-04	.063	.061	9.573E-07	11.42	.82	.50	.043
31	92.5	-7.99	11.49	3.87	-7.62	.33	2.84	2.031E-03	.823	.803	1.650E-04	11.42	.82	.50	.571
32	92.5	-7.24	11.41	3.79	-7.24	0.00	2.81	3.550E-03	1.441	1.407	5.066E-04	11.42	.82	.50	
33	92.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.249E-03	1.327	1.284	4.256E-04	11.35	.82	.50	
34	92.5	0.00	11.57	3.95	0.00	0.00	3.92	2.843E-03	1.171	1.124	3.289E-04	11.28	.81	.50	
35	92.5	3.59	11.51	3.89	3.59	0.00	4.32	2.649E-03	1.101	1.047	2.880E-04	11.21	.81	.50	
36	92.5	7.28	11.36	3.74	7.28	0.00	4.66	1.549E-03	.649	.612	9.919E-05	11.15	.81	.50	
37	92.5	7.97	11.41	3.79	7.62	.37	4.75	6.244E-04	.262	.247	1.616E-05	11.13	.80	.50	.404
38	92.5	8.75	11.36	3.74	7.62	1.15	4.70	1.755E-04	.074	.069	1.275E-06	11.14	.80	.50	.113
39	92.5	9.95	11.42	3.80	7.62	2.35	4.76	2.703E-05	.011	.011	3.028E-08	11.13	.80	.50	.017
40	92.5	11.22	11.42	3.80	7.62	3.62	4.76	1.025E-05	.004	.004	4.351E-09	11.13	.80	.50	.007
41	92.5	12.54	11.29	3.67	7.62	5.04	4.63	9.320E-06	.004	.004	3.590E-09	11.16	.81	.50	.005
42	92.5	13.29	11.24	3.62	7.62	5.69	4.58	6.545E-06	.003	.003	1.769E-09	11.16	.81	.50	.004
43															
44	92.5	-12.57	14.95	7.33	-7.62	4.91	6.27	3.864E-06	.002	.002	6.463E-10	10.80	.78	.50	.001
45	92.5	-11.33	14.94	7.32	-7.62	3.72	6.26	1.581E-05	.007	.007	1.223E-08	10.80	.78	.50	.006
46	92.5	-10.33	14.98	7.36	-7.62	2.37	6.30	4.708E-05	.021	.019	9.602E-08	10.79	.78	.50	.017
47	92.5	-9.69	14.97	7.35	-7.62	1.16	6.29	1.245E-04	.055	.049	5.716E-07	10.79	.78	.50	.046

PH	GAMMA (DEG)	XSURF (CM)	YB (CM)	XT (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	92.5	-7.93	14.89	7.26	-7.62	.33	6.21	1.488E-03	.651	.588	9.569E-05	10.81	.78	.50	.547
49	92.5	-7.30	14.89	7.27	-7.30	0.00	6.25	2.717E-03	1.190	1.074	3.193E-04	10.80	.78	.50	
50	92.5	-3.69	14.95	7.33	-3.69	0.00	6.78	2.668E-03	1.192	1.054	3.139E-04	10.66	.77	.50	
51	92.5	0.04	15.02	7.40	0.00	0.00	7.34	2.553E-03	1.168	1.013	2.956E-04	10.50	.76	.50	
52	92.5	3.59	14.97	7.35	3.58	0.00	7.76	2.412E-03	1.128	.953	2.668E-04	10.37	.76	.50	
53	92.5	7.24	14.78	7.16	7.24	0.00	8.04	1.145E-03	.541	.452	6.115E-05	10.28	.75	.50	
54	92.5	7.93	14.88	7.26	7.62	.31	8.19	7.145E-04	.341	.282	2.486E-05	10.23	.75	.50	.630
55	92.5	8.69	14.92	7.30	7.62	1.11	8.23	2.555E-04	.123	.101	3.187E-06	10.22	.75	.50	.227
56	92.5	9.90	14.87	7.25	7.62	2.32	8.19	4.504E-05	.021	.018	9.552E-08	10.23	.75	.50	.040
57	92.5	11.28	14.88	7.26	7.62	3.78	8.19	1.996E-05	.010	.008	1.876E-08	10.23	.75	.50	.018
58	92.5	12.65	14.86	7.24	7.62	4.97	8.18	1.239E-06	.001	.000	7.223E-11	10.23	.75	.50	.001
59	92.5	13.20	14.87	7.25	7.62	5.62	8.18	1.842E-05	.005	.004	5.110E-09	10.23	.75	.50	.009
60	92.5	-7.14	15.24	7.62	-7.14	.27	6.62	1.348E-03	.598	.532	7.959E-05	10.70	.78	.50	.503
61	92.5	-7.35	15.24	7.62	-7.35	1.17	6.60	1.235E-04	.055	.049	6.684E-07	10.71	.78	.50	.046
62	92.5	-7.13	15.24	7.62	-7.13	2.34	6.62	3.624E-05	.016	.014	5.758E-08	10.70	.78	.50	.014
63	92.5	-7.19	15.24	7.62	-7.19	3.71	6.62	3.137E-05	.013	.012	4.853E-08	10.71	.78	.50	.011
64	92.5	-7.14	15.24	7.62	-7.14	5.02	6.62	2.599E-05	.012	.010	2.960E-08	10.70	.78	.50	.010
65	92.5	-7.14	15.24	7.62	-7.14	5.63	6.62	6.307E-06	.003	.002	1.743E-09	10.70	.78	.50	.002
66	92.5	-3.44	15.24	7.62	-3.44	.36	7.11	1.458E-03	.659	.576	9.480E-05	10.57	.77	.50	.553
67	92.5	-3.44	15.24	7.62	-3.44	1.19	7.11	2.010E-04	.091	.079	1.882E-06	10.57	.77	.50	.076
68	92.5	-3.45	15.24	7.62	-3.45	2.44	7.10	3.918E-05	.018	.015	6.822E-08	10.57	.77	.50	.015
69	92.5	-3.50	15.24	7.62	-3.50	3.74	7.10	3.235E-05	.015	.013	4.669E-08	10.57	.77	.50	.012
70	92.5	-3.46	15.24	7.62	-3.46	5.04	7.10	4.355E-14	.000	.000	8.463E-26	10.57	.77	.50	.000
71	92.5	-3.40	15.24	7.62	-3.40	5.81	7.11	2.578E-05	.012	.010	2.949E-08	10.57	.77	.50	.010
72	92.5	0.00	15.24	7.62	0.00	.38	7.55	4.112E-06	.002	.002	7.667E-10	10.43	.76	.50	.002
73	92.5	0.00	15.24	7.62	0.00	1.15	7.55	2.712E-04	.125	.107	3.337E-06	10.43	.76	.50	.107
74	92.5	0.00	15.24	7.62	0.00	2.37	7.55	3.481E-05	.016	.014	5.495E-08	10.43	.76	.50	.014
75	92.5	0.00	15.24	7.62	0.00	3.70	7.55	3.216E-05	.015	.013	4.698E-08	10.43	.76	.50	.013
76	92.5	0.00	15.24	7.62	0.00	4.99	7.55	2.482E-05	.011	.010	2.793E-08	10.43	.76	.50	.010
77	92.5	0.00	15.24	7.62	0.00	5.74	7.55	7.546E-06	.003	.003	2.582E-09	10.43	.76	.50	.003
78	92.5	3.59	15.24	7.62	3.59	.38	8.02	1.375E-03	.649	.543	8.811E-05	10.28	.75	.50	.579
79	92.5	3.63	15.24	7.62	3.63	1.17	8.03	2.685E-04	.127	.106	3.363E-06	10.28	.75	.50	.113
80	92.5	3.63	15.24	7.62	3.60	2.42	8.02	1.658E-05	.008	.007	1.282E-08	10.28	.75	.50	.007
81	92.5	3.56	15.24	7.62	3.55	3.76	8.02	1.949E-05	.009	.008	1.771E-08	10.29	.75	.50	.008
82	92.5	3.58	15.24	7.62	3.58	5.08	8.02	2.511E-06	.001	.001	2.939E-10	10.29	.75	.50	.001
83	92.5	3.62	15.24	7.62	3.62	5.79	8.03	1.802E-05	.009	.007	1.515E-08	10.28	.75	.50	.006
84	92.5	7.33	15.24	7.62	7.33	.31	8.51	8.327E-04	.405	.329	3.331E-05	10.12	.74	.50	.749
85	92.5	7.36	15.24	7.62	7.36	1.09	8.52	1.990E-04	.097	.079	1.983E-06	10.12	.74	.50	.179
86	92.5	7.35	15.24	7.62	7.36	2.36	8.52	4.550E-05	.022	.018	9.947E-08	10.12	.74	.50	.041
87	92.5	7.33	15.24	7.62	7.33	3.74	8.51	2.283E-05	.011	.009	2.503E-08	10.12	.74	.50	.021
88	92.5	7.33	15.24	7.62	7.33	5.03	8.51	7.692E-06	.004	.003	2.842E-09	10.12	.74	.50	.007
89	92.5	7.35	15.24	7.62	7.35	5.66	8.51	7.378E-06	.004	.003	2.616E-09	10.12	.74	.50	.007

CFHT TEST (92), MDAC-E RSI GAPS, RUN (37) 1973 PAGE 19

MACH = 10.290
RX E06 = 7.860E-02
RL E06 = 8.078E-02
RE/METER = 3.180E+05
HO = 2.554E+00 (W/M2- K)
TW = 298.4 (K)
STEP = 0.000(SM)

TT = 1.013E+03(K)
PI = 5.151 E+06(N/M2)
T1 = 4.778E+01(K)
P1 = 0.976 E+02(N/M2)
(RHO V)1 = 1.017E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAN/TT =0.495 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB - X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.39	7.62	0.00	-7.62	5.70	-1.97	2.914E-05	.012	.012	3.367E-08	11.45	.82	.50	.008
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	3.043E-05	.012	.012	3.673E-08	11.45	.82	.50	.008
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	4.071E-05	.016	.016	6.571E-08	11.45	.82	.50	.011
12	75.0	-10.05	7.62	0.00	-7.62	2.36	-1.97	5.316E-05	.021	.021	1.120E-07	11.45	.82	.50	.015
13	75.0	-8.93	7.62	0.00	-7.62	1.14	-1.97	2.951E-04	.116	.117	3.452E-06	11.45	.82	.50	.082
14	75.0	-8.02	7.62	0.00	-7.62	.33	-1.97	2.318E-03	.930	.916	2.132E-04	11.45	.82	.50	.644
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	3.600E-03	1.444	1.423	5.136E-04	11.46	.82	.50	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.464E-03	1.379	1.369	4.720E-04	11.53	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.892E-03	1.222	1.222	3.733E-04	11.56	.83	.50	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.803E-03	1.116	1.108	3.091E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.00	1.607E-03	.644	.635	1.023E-04	11.50	.83	.50	
20	75.0	7.97	7.62	0.00	7.62	.41	1.97	5.458E-04	.219	.216	1.181E-05	11.50	.83	.50	.340
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.552E-04	.062	.061	9.555E-07	11.50	.83	.50	.097
22	75.0	9.94	7.62	0.00	7.62	2.39	1.97	3.134E-05	.013	.012	3.894E-08	11.50	.83	.50	.020
23	75.0	11.25	7.62	0.00	7.62	3.70	1.97	1.214E-05	.005	.005	5.848E-09	11.50	.83	.50	.008
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	1.177E-05	.005	.005	5.496E-09	11.50	.83	.50	.007
25	75.0	13.29	7.62	0.00	7.62	5.73	1.97	1.954E-05	.008	.008	1.514E-08	11.50	.83	.50	.012
26	75.0	-13.35	11.38	3.76	-7.62	5.70	1.66	2.389E-05	.010	.009	2.250E-08	11.52	.83	.50	.006
27	75.0	-12.68	11.42	3.80	-7.62	5.04	1.70	3.932E-05	.016	.016	6.116E-08	11.52	.83	.50	.011
28	75.0	-11.36	11.38	3.76	-7.62	3.72	1.66	4.248E-05	.017	.017	7.138E-08	11.52	.83	.50	.012
29															
30	75.0	-8.90	11.45	3.83	-7.62	1.16	1.73	1.450E-04	.058	.057	8.320E-07	11.51	.83	.50	.039
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	2.075E-03	.831	.820	1.784E-04	11.51	.83	.50	.563
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	3.588E-03	1.478	1.457	5.385E-04	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.282E-03	1.329	1.297	4.310E-04	11.42	.82	.50	
34	75.0	0.03	11.57	3.95	0.00	0.00	3.82	2.827E-03	1.162	1.117	3.247E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.99	3.59	0.00	4.69	2.604E-03	1.891	1.029	2.887E-04	11.15	.81	.50	
36	75.0	7.24	11.36	3.74	7.28	0.00	5.50	1.506E-03	.645	.595	9.602E-05	10.98	.79	.50	
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	6.088E-04	.262	.241	1.575E-05	10.95	.79	.50	.406
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	1.798E-04	.077	.071	1.372E-06	10.96	.79	.50	.120
39	75.0	9.95	11.42	3.80	7.62	2.35	5.64	3.433E-05	.015	.014	5.011E-08	10.95	.79	.50	.023
40	75.0	11.22	11.42	3.80	7.62	3.62	5.64	2.171E-05	.009	.009	2.004E-08	10.95	.79	.50	.014
41	75.0	12.64	11.29	3.67	7.62	5.04	5.51	1.178E-05	.005	.005	5.876E-09	10.98	.79	.50	.008
42	75.0	13.29	11.24	3.62	7.62	5.68	5.47	2.458E-05	.011	.010	2.575E-08	10.99	.79	.50	.016
43	75.0	-13.37	14.97	7.35	-7.62	5.70	5.12	1.245E-05	.005	.005	6.490E-09	11.06	.80	.50	.004
44	75.0	-12.67	14.95	7.33	-7.62	4.91	5.10	2.427E-05	.010	.011	2.462E-08	11.06	.80	.50	.008
45	75.0	-11.76	14.94	7.32	-7.62	3.72	5.09	3.577E-05	.015	.015	5.652E-08	11.07	.80	.50	.012
46	75.0	-11.13	14.98	7.36	-7.62	2.37	5.13	5.275E-05	.022	.021	1.165E-07	11.06	.80	.50	.018
47	75.0	-8.82	14.97	7.35	-7.62	1.15	5.12	1.303E-04	.055	.051	7.102E-07	11.06	.80	.50	.044

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

CEHT TEST (92), MDAC-E RSI GAPS, RUN (37) 1973 PAGE 20

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	75.0	-7.99	14.88	7.26	-7.62	.33	5.04	2.632E-03	.689	.645	1.112E-04	11.08	.80	.50	.544
49	75.0	-7.30	14.89	7.27	-7.30	0.00	5.13	2.791E-03	1.266	1.182	3.743E-04	11.06	.80	.50	
51	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	2.645E-03	1.154	1.045	3.818E-04	10.83	.79	.50	
51	75.0	0.00	15.02	7.40	0.00	0.00	7.15	2.328E-03	1.050	.917	2.487E-04	10.56	.77	.50	
52	75.0	3.59	14.97	7.35	3.58	0.00	8.03	2.035E-03	.961	.804	1.933E-04	10.28	.75	.50	
53	75.0	7.24	14.78	7.16	7.24	0.00	8.79	8.852E-04	.438	.358	3.839E-05	10.02	.73	.50	
54	75.0	7.99	14.88	7.26	7.62	.31	8.99	5.817E-04	.291	.238	1.673E-05	9.95	.73	.50	.664
55	75.0	8.69	14.92	7.30	7.62	1.11	9.02	2.304E-04	.120	.094	2.816E-06	9.94	.73	.50	.273
56	75.0	9.90	14.87	7.25	7.62	2.32	8.98	4.610E-05	.023	.018	1.058E-07	9.95	.73	.50	.053
57	75.0	11.28	14.88	7.26	7.62	3.70	8.98	2.303E-05	.012	.009	2.624E-08	9.95	.73	.50	.026
58	75.0	12.55	14.86	7.24	7.62	4.97	8.97	2.191E-05	.011	.009	2.372E-08	9.95	.73	.50	.025
59	75.0	13.20	14.87	7.25	7.62	5.62	8.98	1.804E-05	.009	.007	1.688E-08	9.95	.73	.50	.021
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	1.438E-03	.616	.568	8.757E-05	10.98	.79	.50	.487
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	1.422E-04	.061	.056	8.546E-07	10.99	.80	.50	.048
62	75.0	-7.13	15.24	7.62	-7.13	2.34	5.52	4.589E-05	.020	.018	8.994E-08	10.98	.79	.50	.016
63	75.0	-7.19	15.24	7.62	-7.19	3.71	5.50	2.439E-05	.010	.010	2.517E-08	10.98	.79	.50	.008
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	1.225E-05	.005	.005	6.350E-09	10.98	.79	.50	.004
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	6.389E-06	.003	.003	1.728E-09	10.98	.79	.50	.002
66	75.0	-3.44	15.24	7.62	-3.44	.36	6.47	1.382E-03	.610	.546	8.334E-05	10.74	.78	.50	.520
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	2.077E-04	.092	.082	1.882E-06	10.74	.78	.50	.079
68	75.0	-3.45	15.24	7.62	-3.45	2.44	6.47	3.355E-05	.015	.013	4.910E-08	10.74	.78	.50	.013
69	75.0	-3.50	15.24	7.62	-3.50	3.74	6.45	3.826E-05	.017	.015	6.301E-08	10.75	.78	.50	.015
70	75.0	-3.46	15.24	7.62	-3.46	5.04	6.46	4.701E-14	.000	.000	9.636E-26	10.75	.78	.50	.000
71	75.0	-3.40	15.24	7.62	-3.40	5.81	6.48	1.367E-05	.006	.005	7.918E-09	10.74	.78	.50	.005
72	75.0	0.00	15.24	7.62	0.00	.38	7.36	6.756E-07	.000	.000	2.057E-11	10.49	.76	.50	.000
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	2.620E-04	.119	.104	3.093E-07	10.49	.76	.50	.114
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	5.104E-05	.023	.020	1.174E-07	10.49	.76	.50	.022
75	75.0	0.00	15.24	7.62	0.00	3.78	7.36	3.335E-05	.015	.013	5.013E-08	10.49	.76	.50	.014
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	2.596E-05	.012	.010	3.037E-08	10.49	.76	.50	.011
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	1.172E-05	.005	.005	6.186E-09	10.49	.76	.50	.005
78	75.0	3.59	15.24	7.62	3.59	.38	8.29	1.108E-03	.532	.438	5.819E-05	10.20	.74	.50	.553
79	75.0	3.63	15.24	7.62	3.63	1.17	8.30	2.581E-04	.120	.099	2.968E-06	10.19	.74	.50	.125
80	75.0	3.60	15.24	7.62	3.60	2.42	8.29	4.308E-05	.021	.017	8.805E-08	10.19	.74	.50	.022
81	75.0	3.55	15.24	7.62	3.55	3.76	8.28	2.778E-05	.013	.011	3.659E-08	10.20	.74	.50	.014
82	75.0	3.59	15.24	7.62	3.58	5.08	8.29	1.574E-05	.008	.006	1.174E-08	10.20	.74	.50	.008
83	75.0	3.62	15.24	7.62	3.62	5.79	8.30	1.427E-05	.007	.006	9.669E-09	10.19	.74	.50	.007
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	6.416E-04	.326	.254	2.868E-05	9.85	.72	.50	.744
85	75.0	7.36	15.24	7.62	7.36	1.09	9.26	1.906E-04	.097	.075	1.825E-06	9.84	.72	.50	.221
86	75.0	7.35	15.24	7.62	7.36	2.36	9.26	4.217E-05	.021	.017	8.939E-08	9.84	.72	.50	.049
87	75.0	7.33	15.24	7.62	7.33	3.74	9.26	1.482E-05	.008	.006	1.104E-08	9.85	.72	.50	.017
88	75.0	7.33	15.24	7.62	7.33	5.03	9.26	7.751E-06	.004	.003	3.819E-09	9.85	.72	.50	.009
89	75.0	7.35	15.24	7.62	7.35	5.66	9.26	1.455E-05	.007	.006	1.064E-08	9.84	.72	.50	.017

CFHT TEST (92), MRAC-E RSI GAPS, RUN (38) 1973 PAGE 21

MACH = 10.290
PX E06 = 7.922E-02
PL E06 = 8.142E-02
PE/METER = 3.205E+06
HO = 2.554E+00(W/M2- K)
TW = 295.3 (K)
STEP = 0.003(CM)

TT = 1.012E+03(K)
PI = 5.173E+06(N/M2)
T1 = 4.759E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.022E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	-13.39	7.62	0.00	-7.62	5.70	-3.81	3.374E-05	.014	.013	4.632E-08	11.21	.81	.50	.009
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	2.385E-05	.010	.009	2.316E-08	11.21	.81	.50	.006
11	60.0	-11.34	7.62	0.00	-7.62	3.74	-3.81	5.315E-05	.022	.021	1.150E-07	11.21	.81	.50	.014
12	60.0	-10.05	7.62	0.00	-7.62	2.36	-3.81	6.574E-05	.028	.027	1.923E-07	11.21	.81	.50	.019
13	60.0	-8.83	7.62	0.00	-7.62	1.14	-3.81	2.991E-04	.124	.118	3.641E-06	11.21	.81	.50	.081
14	60.0	-8.02	7.62	0.00	-7.62	.33	-3.81	2.345E-03	.971	.927	2.238E-04	11.21	.81	.50	.637
15	60.0	-7.29	7.62	0.00	-7.29	0.00	-3.65	3.694E-03	1.525	1.468	5.535E-04	11.23	.81	.50	
16	60.0	-3.63	7.62	0.00	-3.63	0.00	-1.82	3.404E-03	1.364	1.345	4.563E-04	11.47	.82	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.050E-03	1.205	1.205	3.613E-04	11.56	.83	.50	
18	60.0	3.54	7.62	0.00	3.54	0.00	1.77	2.815E-03	1.128	1.112	3.121E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	0.00	3.63	1.759E-03	.721	.695	1.247E-04	11.32	.82	.50	
20	60.0	7.97	7.62	0.00	7.62	.41	3.81	6.341E-04	.261	.251	1.624E-05	11.29	.81	.50	.361
21	60.0	8.72	7.62	0.00	7.62	1.17	3.81	1.687E-04	.069	.067	1.149E-06	11.29	.81	.50	.096
22	60.0	8.94	7.62	0.00	7.62	2.39	3.81	1.340E-05	.006	.005	7.256E-09	11.29	.81	.50	.008
23	60.0	11.25	7.62	0.00	7.62	3.70	3.81	8.361E-06	.004	.004	3.243E-09	11.29	.81	.50	.005
24	60.0	12.62	7.62	0.00	7.62	5.07	3.81	1.153E-05	.005	.005	5.371E-09	11.29	.81	.50	.007
25	60.0	13.28	7.62	0.00	7.62	5.73	3.81	1.295E-05	.005	.005	6.776E-09	11.29	.81	.50	.007
26	60.0	-13.35	11.39	3.76	-7.62	5.79	-.55	1.992E-05	.008	.007	1.396E-08	11.54	.83	.50	.005
27	60.0	-12.69	11.42	3.80	-7.62	5.04	-.52	1.737E-05	.007	.007	1.176E-08	11.55	.83	.50	.004
28	60.0	-11.36	11.38	3.76	-7.62	3.72	-.55	3.219E-05	.013	.013	4.043E-08	11.54	.83	.50	.008
29	60.0	-10.09	11.43	3.81	-7.62	2.44	-.51	4.528E-05	.018	.018	7.993E-08	11.55	.83	.50	.012
30	60.0	-8.91	11.45	3.83	-7.62	1.16	-.49	1.485E-04	.059	.059	8.602E-07	11.55	.83	.50	.038
31	60.0	-7.97	11.49	3.87	-7.62	.33	-.46	2.196E-03	.871	.868	1.880E-04	11.55	.83	.50	.563
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	3.904E-03	1.547	1.543	5.935E-04	11.55	.83	.50	
33	60.0	-3.71	11.54	3.92	-3.71	0.00	1.54	3.485E-03	1.394	1.377	4.774E-04	11.52	.83	.50	
34	60.0	0.00	11.57	3.95	0.00	0.00	3.42	2.810E-03	1.148	1.110	3.170E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.594E-03	1.100	1.025	2.803E-04	11.05	.80	.50	
36	60.0	7.29	11.36	3.74	7.28	0.00	6.88	1.483E-03	.664	.586	9.681E-05	10.63	.77	.50	
37	60.0	7.97	11.41	3.79	7.62	.37	7.09	5.989E-04	.270	.237	1.592E-05	10.57	.77	.50	.407
38	60.0	8.75	11.36	3.74	7.62	1.15	7.05	1.553E-04	.075	.065	1.211E-06	10.58	.77	.50	.112
39	60.0	9.95	11.42	3.80	7.62	2.35	7.10	2.503E-05	.012	.010	3.008E-08	10.57	.77	.50	.018
40	60.0	11.22	11.42	3.80	7.62	3.62	7.10	7.923E-06	.004	.003	2.787E-09	10.57	.77	.50	.005
41	60.0	12.54	11.24	3.67	7.62	5.04	6.99	1.805E-05	.008	.007	1.441E-08	10.60	.77	.50	.012
42	60.0	13.28	11.24	3.62	7.62	5.68	6.94	1.382E-05	.007	.006	9.953E-09	10.61	.77	.50	.010
43	60.0	-13.37	14.97	7.35	-7.62	5.70	2.55	1.492E-05	.006	.006	8.820E-09	11.45	.82	.50	.005
44	60.0	-12.67	14.95	7.33	-7.62	4.91	2.53	1.900E-05	.008	.008	1.430E-08	11.45	.82	.50	.006
45	60.0	-11.38	14.94	7.32	-7.62	3.72	2.53	3.577E-05	.015	.015	5.354E-08	11.45	.82	.50	.011
46	60.0	-10.07	14.98	7.36	-7.62	2.37	2.56	4.916E-05	.020	.019	9.574E-08	11.45	.82	.50	.015

HEAT TEST (92), MDAC-E RSI GAPS, RUN (38) 1973 PAGE 22

CH	GAMMA (DEG)	XSURF (CM)	X@ (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	-8.02	14.97	7.35	-7.62	1.16	2.55	1.409E-04	.857	.856	7.865E-07	11.45	.02	.50	.843
48	60.0	-7.99	14.88	7.26	-7.62	.33	2.48	1.786E-03	.720	.706	1.263E-04	11.46	.02	.50	.545
49	60.0	-7.30	14.89	7.27	-7.30	0.00	2.64	3.270E-03	1.320	1.292	4.243E-04	11.44	.02	.50	
50	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	2.556E-03	1.067	1.070	2.681E-04	11.16	.01	.50	
51	60.0	0.00	15.02	7.40	0.00	0.00	6.41	1.908E-03	.875	.785	1.710E-04	10.76	.78	.50	
52	60.0	3.58	14.97	7.35	3.58	0.00	8.16	1.619E-03	.771	.648	1.227E-04	10.24	.75	.50	
53	60.0	7.24	14.78	7.16	7.24	0.00	9.82	6.507E-04	.347	.261	2.252E-05	9.63	.71	.50	
54	60.0	7.99	14.88	7.26	7.62	.31	10.10	4.739E-04	.253	.187	1.177E-05	9.51	.70	.50	.728
55	60.0	8.69	14.92	7.30	7.62	1.11	10.13	2.174E-04	.116	.086	2.480E-06	9.50	.70	.50	.335
56	60.0	9.90	14.87	7.25	7.62	2.32	10.09	3.735E-05	.020	.015	7.385E-08	9.51	.70	.50	.057
57	60.0	11.28	14.88	7.26	7.62	3.78	10.10	8.739E-06	.005	.003	4.801E-09	9.51	.70	.50	.013
58	60.0	12.55	14.86	7.24	7.62	4.97	10.08	7.387E-06	.004	.003	2.856E-09	9.52	.70	.50	.011
59	60.0	13.28	14.87	7.25	7.62	5.62	10.09	1.221E-05	.007	.005	7.885E-09	9.52	.70	.50	.019
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	1.560E-03	.633	.616	9.718E-05	11.48	.02	.50	.488
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	1.454E-04	.059	.057	8.423E-07	11.41	.02	.50	.045
62	60.0	-7.13	15.24	7.62	-7.13	2.34	3.04	5.454E-05	.022	.022	1.107E-07	11.48	.02	.50	.017
63	60.0	-7.19	15.24	7.62	-7.19	3.71	3.08	3.202E-05	.013	.013	4.890E-08	11.48	.02	.50	.010
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	2.186E-05	.009	.009	1.907E-08	11.48	.02	.50	.007
65	60.0	-7.14	15.24	7.62	-7.14	5.63	3.03	2.310E-05	.009	.009	2.129E-08	11.48	.02	.50	.007
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.284E-03	.541	.507	6.823E-05	11.11	.00	.50	.507
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	2.066E-04	.087	.082	1.765E-06	11.11	.00	.50	.801
68	60.0	-3.45	15.24	7.62	-3.45	2.44	4.87	5.129E-05	.022	.020	1.080E-07	11.11	.00	.50	.020
69	60.0	-3.50	15.24	7.62	-3.50	3.74	4.85	3.244E-05	.014	.013	4.349E-08	11.11	.00	.50	.013
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	4.978E-14	.000	.000	1.021E-25	11.11	.00	.50	.000
71	60.0	-3.40	15.24	7.62	-3.40	5.81	4.90	1.457E-05	.006	.006	8.788E-09	11.10	.00	.50	.006
72	60.0	0.00	15.24	7.62	0.00	.38	6.60	1.306E-07	.000	.000	7.439E-13	10.71	.78	.50	.000
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	2.251E-04	.100	.089	2.208E-06	10.71	.78	.50	.114
74	60.0	0.00	15.24	7.62	0.00	2.37	6.60	3.576E-05	.016	.014	5.574E-08	10.71	.78	.50	.018
75	60.0	0.00	15.24	7.62	0.00	3.70	6.60	1.440E-05	.006	.006	9.039E-09	10.71	.78	.50	.007
76	60.0	0.00	15.24	7.62	0.00	4.99	6.60	2.253E-05	.010	.009	2.212E-08	10.71	.78	.50	.011
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	1.455E-05	.006	.006	9.224E-09	10.71	.78	.50	.007
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	8.169E-04	.345	.323	3.168E-05	10.16	.74	.50	.512
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	2.221E-04	.107	.088	2.344E-06	10.15	.74	.50	.139
80	60.0	3.60	15.24	7.62	3.60	2.42	8.40	4.732E-05	.023	.019	1.863E-07	10.16	.74	.50	.030
81	60.0	3.55	15.24	7.62	3.55	3.76	8.37	2.109E-05	.010	.008	2.188E-08	10.17	.74	.50	.013
82	60.0	3.59	15.24	7.62	3.58	5.08	8.39	1.149E-05	.006	.005	6.261E-09	10.16	.74	.50	.007
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	7.146E-06	.003	.003	2.426E-09	10.16	.74	.50	.004
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	4.718E-04	.254	.185	1.177E-05	9.44	.70	.50	.732
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	1.896E-04	.102	.075	1.902E-06	9.44	.70	.50	.294
86	60.0	7.36	15.24	7.62	7.36	2.36	10.28	2.576E-05	.014	.011	3.790E-08	9.44	.70	.50	.042
87	60.0	7.33	15.24	7.62	7.33	3.74	10.26	2.008E-05	.011	.008	2.114E-08	9.44	.70	.50	.031
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	9.875E-06	.005	.004	5.155E-09	9.44	.70	.50	.015
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	1.308E-05	.007	.005	9.052E-09	9.44	.70	.50	.020

CENT TEST (92), MDAC-E RSI GAPS, RUN (39) 1973 PAGE 23

MACH = 10.290
RX FOR = 7.930E-02
RL FOR = 8.150E-02
RE/METER = 3.209E+06
MO = 2.554E+00(W/M2- K)
TW = 295.7 (K)
STEP = 3.000(CM)

TT = 1.011E+03(K)
PI = 5.174E+06(N/M2)
TI = 4.737E+01(K)
PI = 0.981E+02(N/M2)
(RHO V)I = 1.023E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.995 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) 0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.00	-7.62	5.70	-5.39	2.487E-05	.011	.010	2.686E-08	10.88	.79	.50	.007
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	4.362E-05	.019	.017	8.261E-08	10.88	.79	.50	.013
11	45.0	-11.34	7.62	0.00	-7.62	3.74	-5.39	3.321E-05	.015	.013	4.790E-08	10.88	.79	.50	.010
12	45.0	-10.05	7.62	0.00	-7.62	2.36	-5.39	1.694E-05	.007	.007	1.247E-08	10.88	.79	.50	.005
13	45.0	-8.93	7.62	0.00	-7.62	1.14	-5.39	2.453E-04	.109	.097	2.634E-06	10.88	.79	.50	.072
14	45.0	-8.02	7.62	0.00	-7.62	.33	-5.39	2.064E-03	.912	.815	1.849E-04	10.88	.79	.50	.605
15	45.0	-7.29	7.62	0.00	-7.29	0.00	-5.16	3.448E-03	1.508	1.363	5.109E-04	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.334E-03	1.345	1.318	4.404E-04	11.39	.92	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.025E-03	1.195	1.195	3.551E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.895E-03	1.167	1.144	3.318E-04	11.45	.92	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	1.978E-03	.838	.781	1.627E-04	11.06	.86	.50	
20	45.0	7.97	7.62	0.00	7.62	.41	5.39	7.445E-04	.318	.294	2.324E-05	11.00	.80	.50	.379
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.455E-04	.062	.058	8.881E-07	11.00	.80	.50	.074
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	2.987E-05	.013	.012	3.741E-08	11.00	.80	.50	.015
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	1.362E-05	.006	.005	7.776E-09	11.00	.80	.50	.007
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	1.464E-05	.006	.006	8.982E-09	11.00	.80	.50	.007
25	45.0	13.28	7.62	0.00	7.62	5.73	5.39	1.256E-05	.005	.005	6.619E-09	11.00	.80	.50	.006
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	2.186E-05	.009	.009	1.980E-08	11.37	.82	.50	.005
27	45.0	-12.68	11.42	3.80	-7.62	5.04	-2.70	3.827E-05	.015	.015	5.819E-08	11.37	.82	.50	.009
28	45.0	-11.36	11.38	3.76	-7.62	3.72	-2.73	2.807E-05	.011	.011	3.132E-08	11.37	.82	.50	.007
29	45.0	-10.08	11.43	3.81	-7.62	2.44	-2.69	4.721E-05	.019	.019	8.854E-08	11.37	.82	.50	.012
30	45.0	-8.80	11.45	3.83	-7.62	1.16	-2.68	2.176E-04	.088	.086	1.880E-06	11.37	.82	.50	.053
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	2.329E-03	.941	.928	2.153E-04	11.38	.82	.50	.567
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	4.117E-03	1.658	1.627	6.706E-04	11.40	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.540E-03	1.400	1.399	4.869E-04	11.56	.83	.50	
34	45.0	3.00	11.57	3.95	0.00	0.00	2.79	2.780E-03	1.125	1.098	3.072E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.562E-03	1.098	1.013	2.745E-04	11.02	.80	.50	
36	45.0	7.29	11.36	3.74	7.28	0.00	7.79	1.552E-03	.722	.613	1.181E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	6.355E-04	.301	.251	1.879E-05	10.27	.75	.50	.417
38	45.0	8.75	11.36	3.74	7.62	1.15	8.03	1.423E-04	.067	.056	9.483E-07	10.28	.75	.50	.093
39	45.0	9.95	11.42	3.80	7.62	2.35	8.08	2.016E-05	.010	.008	1.892E-08	10.27	.75	.50	.013
40	45.0	11.27	11.42	3.80	7.62	3.62	8.07	1.314E-05	.006	.005	8.037E-09	10.27	.75	.50	.009
41	45.0	12.64	11.29	3.67	7.62	5.04	7.94	1.125E-05	.005	.004	5.853E-09	10.30	.75	.50	.007
42															
43	45.0	-13.37	14.97	7.75	-7.62	5.70	-.19	2.372E-05	.009	.009	2.186E-08	11.55	.83	.50	.007
44	45.0	-12.67	14.95	7.33	-7.62	4.91	-.21	2.887E-05	.011	.011	3.241E-08	11.55	.83	.50	.009
45	45.0	-11.38	14.94	7.32	-7.62	3.72	-.22	4.438E-05	.018	.018	7.658E-08	11.55	.83	.50	.013
46	45.0	-10.03	14.93	7.36	-7.62	2.37	-.19	3.894E-05	.015	.015	5.894E-08	11.55	.83	.50	.012

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

DOCUMENT ON THIS ORIGINAL PAGE IS POOR.

CFHT TEST (32), MOAP-F RSI GAPS, RUN (40) 1973 PAGE 251

MACH = 10.290
QW EQS = 3.254E-01
PL EQS = 2.135E-02
QE/METER = 3.203E+06
HO = 2.554E+00(M/M2- K)
TW = 297.0 (K)
STEP = 0.000(CM)

TT = 1.012E+03(K)
PI = 5.171E+06(N/M2)
T1 = 4.7?CE+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.022E+01(KG/M2-S)
GAP = .457 (CM)
CONF =IN-L

TAW/TT =2.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
0	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	2.456E-05	.012	.010	2.918E-08	10.24	.74	.50	.009
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	1.969E-05	.010	.008	1.876E-08	10.24	.74	.50	.008
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	2.022E-05	.010	.008	1.978E-08	10.24	.74	.50	.008
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	1.595E-05	.008	.007	1.390E-08	10.24	.74	.50	.006
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	1.405E-04	.069	.056	9.548E-07	10.24	.74	.50	.054
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	1.457E-03	.722	.580	1.041E-04	10.24	.74	.50	.560
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	2.663E-03	1.289	1.052	3.377E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	3.066E-03	1.265	1.212	3.815E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.067E-03	1.212	1.212	3.656E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	2.979E-03	1.219	1.177	3.571E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	2.905E-03	1.321	1.148	3.773E-04	10.52	.77	.50	
20	0.0	0.00	7.62	0.00	7.62	.41	7.62	1.408E-03	.649	.556	8.971E-05	11.41	.76	.50	
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	1.963E-04	.090	.078	1.745E-06	10.41	.76	.50	.491
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	3.130E-05	.014	.012	4.436E-08	10.41	.76	.50	.063
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	2.793E-05	.013	.011	3.505E-08	10.41	.76	.50	.011
24	0.0	0.41	7.62	1.00	7.62	5.07	7.62	1.795E-05	.008	.007	1.450E-08	10.41	.76	.50	.010
25	0.0	0.84	7.62	0.03	7.62	5.73	7.62	1.597E-05	.007	.006	1.154E-08	10.41	.76	.50	.006
26	0.0	-7.76	3.96	-3.76	-7.62	5.70	-7.62	1.596E-05	.008	.006	1.233E-08	10.24	.74	.50	.006
27	0.0	-3.80	3.92	-3.80	-7.62	5.04	-7.62	1.667E-05	.008	.007	1.344E-08	10.24	.74	.50	.006
28	0.0	-3.76	3.86	-3.76	-7.62	3.72	-7.62	2.346E-05	.012	.009	2.663E-08	10.24	.74	.50	.005
29	0.0	-3.91	3.91	-3.91	-7.62	2.44	-7.62	3.085E-05	.015	.012	4.606E-08	10.24	.74	.50	.009
30	0.0	-3.93	3.73	-3.93	-7.62	1.16	-7.62	1.571E-04	.077	.062	1.194E-06	10.24	.74	.50	.011
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.567E-03	.771	.619	1.188E-04	10.24	.74	.50	.059
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	2.742E-03	1.324	1.084	3.571E-04	10.36	.75	.50	.592
33	0.0	-3.92	3.74	-3.92	-3.71	0.00	-3.71	3.186E-03	1.317	1.259	4.125E-04	11.22	.81	.50	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	3.160E-03	1.241	1.241	3.832E-04	11.56	.83	.50	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	3.022E-03	1.239	1.194	3.679E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.28	0.00	7.28	2.746E-03	1.249	1.085	3.371E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.443E-03	.646	.554	8.912E-05	10.41	.76	.50	.517
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	1.710E-04	.079	.068	1.324E-06	10.41	.76	.50	.063
39	0.0	-3.81	3.82	-3.81	7.62	2.35	7.62	3.553E-05	.018	.015	6.719E-08	10.41	.76	.50	.014
40	0.0	-3.81	3.82	-3.81	7.62	3.62	7.62	3.715E-05	.017	.015	6.247E-08	10.41	.76	.50	.014
41	0.0	-3.87	3.75	-3.87	7.62	5.04	7.62	2.408E-05	.011	.010	2.624E-08	10.41	.76	.50	.009
42	0.0	-3.62	4.03	-3.62	7.62	5.69	7.62	1.115E-05	.005	.004	5.632E-09	10.41	.76	.50	.004
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	1.123E-05	.006	.004	5.101E-09	10.24	.74	.50	.004
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	1.274E-05	.006	.005	7.043E-09	10.24	.74	.50	.005
45	0.0	-7.32	.31	-7.32	-7.62	3.72	-7.62	2.918E-05	.014	.012	4.118E-08	10.24	.74	.50	.011
46	0.0	-7.36	.26	-7.36	-7.62	2.37	-7.62	2.413E-05	.012	.010	2.817E-08	10.24	.74	.50	.009

276

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CFHT TEST (92), MOAC-E RSI GAPS, RUN (40) 1973 PAGE 252

CH	GAMMA (DEG)	YSURF (CM)	XR (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	1.590E-04	.070	.063	1.223E-06	10.24	.74	.50	.059
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	1.509E-03	.742	.596	1.181E-04	10.24	.74	.50	.558
49	0.0	-7.27	.35	-7.27	-7.38	0.38	-7.30	2.747E-03	1.330	1.086	3.594E-04	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	0.00	-3.69	2.991E-03	1.235	1.182	3.634E-04	11.23	.81	.50	
51	0.0	-7.40	.24	-7.40	0.00	0.00	0.00	2.599E-03	1.067	1.067	2.831E-04	11.56	.83	.50	
52	0.0	-7.59	.04	-7.58	3.58	0.00	3.58	2.493E-03	1.021	.985	2.502E-04	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	2.214E-03	1.005	.875	2.189E-04	10.53	.77	.50	.631
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	1.378E-03	.634	.544	8.596E-05	10.41	.76	.50	.888
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	1.913E-04	.088	.076	1.657E-06	10.41	.76	.50	.821
56	0.0	-7.25	.37	-7.25	7.62	2.32	7.62	4.576E-05	.021	.018	9.481E-08	10.41	.76	.50	.818
57	0.0	-7.26	.36	-7.26	7.62	3.70	7.62	3.959E-05	.018	.016	7.895E-08	10.41	.76	.50	.813
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	2.870E-05	.013	.011	3.729E-08	10.41	.76	.50	.808
59	0.0	-7.25	.37	-7.25	7.62	5.62	7.62	1.728E-05	.008	.007	1.352E-08	10.41	.76	.50	.610
60	0.0	-7.85	0.00	-7.62	-7.14	.27	-7.14	1.509E-03	.011	.667	1.348E-04	10.39	.75	.50	.865
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	1.779E-04	.886	.078	1.511E-06	10.33	.75	.50	.889
62	0.0	-9.92	0.00	-7.62	-7.13	2.34	-7.13	2.572E-05	.012	.010	3.124E-08	10.48	.75	.50	.889
63	0.0	-11.29	0.00	-7.62	-7.19	3.71	-7.19	2.417E-05	.012	.010	2.768E-08	10.38	.75	.50	.887
64	0.0	-12.63	0.00	-7.62	-7.14	5.02	-7.14	1.976E-05	.009	.008	1.844E-08	10.39	.75	.50	.886
65	0.0	-13.22	0.00	-7.62	-7.14	5.63	-7.14	1.532E-05	.008	.006	1.259E-08	10.39	.75	.50	.550
66	0.0	-7.98	0.00	-7.62	-3.44	.36	-3.44	1.552E-03	.679	.653	1.103E-04	11.27	.81	.50	.860
67	0.0	-8.81	0.00	-7.62	-3.44	1.19	-3.44	1.794E-04	.078	.071	1.320E-06	11.27	.81	.50	.887
68	0.0	-10.06	0.00	-7.62	-3.45	2.44	-3.45	1.992E-05	.008	.008	1.603E-08	11.26	.81	.50	.887
69	0.0	-11.36	0.00	-7.62	-3.50	3.74	-3.50	2.237E-05	.009	.008	2.025E-08	11.26	.81	.50	.886
70															
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	1.906E-05	.008	.008	1.467E-08	11.27	.81	.50	.881
72	0.0	-8.07	0.00	-7.62	0.00	.38	0.00	3.764E-06	.001	.001	5.586E-10	11.56	.83	.50	.862
73	0.0	-9.95	0.00	-7.62	0.00	1.15	0.00	1.683E-04	.067	.067	1.101E-06	11.56	.83	.50	.810
74	0.0	-10.07	0.00	-7.62	0.00	2.37	0.00	2.507E-05	.011	.011	2.885E-08	11.56	.83	.50	.809
75	0.0	-11.43	0.00	-7.62	0.00	3.70	0.00	2.753E-05	.011	.011	2.945E-08	11.56	.83	.50	.806
76	0.0	-12.69	0.00	-7.62	0.00	4.99	0.00	2.389E-05	.009	.009	2.216E-08	11.56	.83	.50	.492
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	1.555E-05	.006	.006	9.395E-09	11.56	.83	.50	.872
78	0.0	-8.04	0.00	-7.62	3.59	.38	3.59	1.227E-03	.503	.485	6.066E-05	11.32	.82	.50	.819
79	0.0	-8.92	0.00	-7.62	3.63	1.17	3.63	1.803E-04	.074	.071	1.311E-06	11.32	.82	.50	.888
80	0.0	-10.07	0.00	-7.62	3.60	2.42	3.60	4.707E-05	.019	.019	8.927E-08	11.32	.82	.50	.809
81	0.0	-11.41	0.00	-7.62	3.55	3.76	3.55	1.959E-05	.008	.008	1.563E-08	11.33	.82	.50	.802
82	0.0	-12.73	0.00	-7.62	3.58	5.08	3.58	2.144E-05	.009	.008	1.851E-08	11.33	.82	.50	.690
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	5.515E-06	.002	.002	1.270E-09	11.32	.82	.50	.874
84	0.0	-7.97	0.00	-7.62	7.33	.31	7.33	1.523E-03	.694	.602	1.039E-04	10.50	.76	.50	.822
85	0.0	-8.84	0.00	-7.62	7.36	1.09	7.36	1.718E-04	.078	.068	1.324E-06	10.49	.76	.50	.813
86	0.0	-9.96	0.00	-7.62	7.36	2.36	7.36	4.745E-05	.022	.019	1.010E-07	10.49	.76	.50	.813
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	2.960E-05	.013	.012	3.924E-08	10.50	.76	.50	.810
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	2.643E-05	.013	.011	3.622E-08	10.50	.76	.50	
89	0.0	-13.15	0.00	-7.62	7.35	5.66	7.35	2.144E-05	.010	.008	2.061E-08	10.50	.76	.50	

277

HEHT TEST (92), MOAT JN * 41) 1973 PAGE 253

MACH = 10.290
PX E06 = 3.275E-1
PL E06 = 8.135E-1
RE/METER = 3.203E+06
HC = 2.554E+00(W/M2- K)
TW = 297.1 (K)
STEP = 0.000(CM)

TT = 1.012E+03(K)
PI = 5.172E+06(N/M2)
TI = 4.770E+01(K)
PI = 0.981E+02(N/M2)
(RHO V)I = 1.022E+01(KG/M2-S)
GAP = .457 (CM)
CONF = IN-L

TAW/TT =1.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	1.104E-05	.005	.004	5.876E-09	10.26	.75	.50	.004
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	9.092E-06	.004	.004	3.985E-09	10.26	.75	.50	.003
11	7.5	0.00	7.62	0.00	-7.62	3.74	-7.55	1.548E-05	.008	.006	1.155E-08	10.26	.75	.50	.005
12	7.5	0.00	7.62	0.00	-7.62	2.36	-7.55	8.949E-06	.004	.004	3.861E-09	10.26	.75	.50	.003
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	1.455E-04	.072	.058	1.035E-06	10.26	.75	.50	.051
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	1.619E-03	.794	.640	1.264E-04	10.26	.75	.50	.563
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	2.922E-03	1.410	1.154	4.050E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	3.871E-03	1.266	1.213	3.822E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.068E-03	1.212	1.212	3.657E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	2.958E-03	1.214	1.173	3.543E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.517E-03	1.142	.995	2.825E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	1.153E-03	.529	.456	6.002E-05	10.43	.76	.50	.464
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	1.778E-04	.082	.070	1.427E-06	10.43	.76	.50	.072
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	5.753E-05	.026	.023	1.494E-07	10.43	.76	.50	.023
23	7.5	0.00	7.62	0.00	7.62	3.70	7.55	3.407E-05	.016	.013	5.240E-08	10.43	.76	.50	.014
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	2.521E-05	.012	.010	2.870E-08	10.43	.76	.50	.010
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	1.510E-05	.007	.006	1.170E-08	10.43	.76	.50	.006
26	7.5	-3.76	3.86	-3.76	-7.62	5.70	-8.05	2.031E-05	.010	.008	2.045E-08	10.09	.74	.50	.009
27	7.5	-3.80	3.82	-3.80	-7.62	5.04	-8.05	1.528E-05	.008	.006	1.158E-08	10.09	.73	.50	.006
28	7.5	-3.76	3.86	-3.76	-7.62	3.72	-8.05	2.897E-05	.015	.011	4.162E-08	10.09	.74	.50	.011
29	7.5	-3.81	3.81	-3.81	-7.62	2.44	-8.05	3.226E-05	.016	.013	5.164E-08	10.09	.73	.50	.012
30	7.5	-3.93	3.79	-3.83	-7.62	1.16	-8.05	1.401E-04	.071	.055	9.734E-07	10.09	.73	.50	.052
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.501E-03	.808	.633	1.273E-04	10.09	.73	.50	.594
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	2.760E-03	1.362	1.098	3.695E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-3.71	0.00	-4.19	3.088E-03	1.299	1.228	3.943E-04	11.14	.80	.50	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	3.142E-03	1.247	1.242	3.852E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.05	3.104E-03	1.261	1.226	3.847E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	2.552E-03	1.137	1.009	2.854E-04	10.60	.76	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	1.255E-03	.566	.496	6.983E-05	10.58	.77	.50	.498
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	1.512E-04	.068	.060	1.015E-06	10.58	.77	.50	.060
39	7.5	-3.90	3.82	-3.80	7.62	2.35	7.06	3.496E-05	.016	.014	5.480E-08	10.58	.77	.50	.014
40	7.5	-3.83	3.82	-3.90	7.62	3.62	7.06	3.234E-05	.015	.013	4.638E-08	10.58	.77	.50	.013
41	7.5	-3.67	3.95	-3.67	7.62	5.04	7.09	2.793E-05	.013	.011	3.461E-08	10.58	.77	.50	.011
42	7.5	-3.62	4.00	-3.62	7.62	5.68	7.08	8.566E-06	.004	.003	3.212E-09	10.58	.77	.50	.003
43	7.5	-7.35	.27	-7.35	-7.62	5.70	-8.51	1.120E-05	.006	.004	6.388E-09	9.92	.72	.50	.005
44	7.5	-7.33	.29	-7.33	-7.62	4.91	-8.51	1.721E-05	.009	.007	1.508E-08	9.92	.72	.50	.007
45	7.5	-7.32	.30	-7.32	-7.62	3.72	-8.51	2.925E-05	.015	.012	4.359E-08	9.92	.72	.50	.012
46	7.5	-7.36	.26	-7.36	-7.62	2.37	-8.51	2.181E-05	.011	.009	2.423E-08	9.92	.72	.50	.009

CHT TEST (92), MDAC-E RSI GAPS, RUN (41) 1973 PAGE 254

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	-7.33	.27	-7.35	-7.62	1.16	-8.51	1.296E-04	.067	.051	8.553E-07	9.92	.72	.50	.054
48	7.5	-7.25	.36	-7.26	-7.62	.33	-8.50	1.333E-03	.691	.527	9.052E-05	9.93	.72	.50	.558
49	7.5	-7.27	.35	-7.27	-7.30	0.00	-8.19	2.432E-03	1.237	.961	2.956E-04	10.04	.73	.50	
50	7.5	-7.33	.29	-7.33	-3.69	0.00	-4.61	2.816E-03	1.205	1.113	3.334E-04	11.05	.80	.50	
51	7.5	-7.40	.22	-7.40	0.00	0.00	-.97	2.590E-03	1.071	1.063	2.833E-04	11.53	.83	.50	
52	7.5	-7.59	.04	-7.58	3.58	0.00	2.56	2.628E-03	1.059	1.038	2.737E-04	11.45	.82	.50	
53	7.5	-7.16	.46	-7.16	7.24	0.00	6.25	2.216E-03	.971	.876	2.116E-04	10.88	.78	.50	
54	7.5	-7.26	.36	-7.26	7.62	.31	6.61	1.339E-03	.594	.529	7.816E-05	10.71	.78	.50	.612
55	7.5	-7.30	.32	-7.30	7.62	1.11	6.60	1.726E-04	.077	.068	1.299E-06	10.71	.78	.50	.079
56	7.5	-7.25	.37	-7.25	7.62	2.32	6.61	6.063E-05	.027	.024	1.603E-07	10.71	.78	.50	.028
57	7.5	-7.25	.36	-7.26	7.62	3.70	6.61	4.360E-05	.020	.018	9.868E-08	10.71	.78	.50	.021
58	7.5	-7.24	.38	-7.24	7.62	4.97	6.61	3.989E-05	.018	.016	6.940E-08	10.71	.78	.50	.018
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	2.558E-05	.011	.010	2.854E-08	10.71	.78	.50	.012
60	7.5	-7.85	0.00	-7.62	-7.14	.27	-8.08	1.480E-03	.748	.585	1.088E-04	10.08	.73	.50	.685
61	7.5	-8.75	0.00	-7.62	-7.35	1.17	-8.28	1.542E-04	.079	.061	1.196E-06	10.01	.73	.50	.064
62	7.5	-9.92	0.00	-7.62	-7.13	2.34	-8.86	3.090E-05	.016	.012	4.741E-08	10.09	.73	.50	.013
63	7.5	-11.29	0.00	-7.62	-7.19	3.71	-8.12	2.869E-05	.015	.011	4.101E-08	10.06	.73	.50	.012
64	7.5	-12.63	0.00	-7.62	-7.14	5.02	-8.07	2.558E-05	.013	.011	3.509E-08	10.08	.73	.50	.011
65	7.5	-13.22	0.00	-7.62	-7.14	5.63	-8.07	1.771E-05	.009	.007	1.559E-08	10.08	.73	.50	.007
66	7.5	-7.93	0.00	-7.62	-3.44	.36	-4.41	1.568E-03	.666	.620	1.026E-04	11.09	.80	.50	.553
67	7.5	-8.81	0.00	-7.62	-3.44	1.19	-4.41	1.574E-04	.067	.062	1.033E-06	11.09	.80	.50	.055
68	7.5	-10.06	0.00	-7.62	-3.45	2.44	-4.41	2.110E-05	.009	.008	1.857E-08	11.09	.80	.50	.007
69	7.5	-11.35	0.00	-7.62	-3.50	3.74	-4.46	3.854E-05	.016	.015	6.243E-08	11.08	.80	.50	.014
70	7.5	-12.65	0.00	-7.62	-3.46	5.04	-4.43	1.833E-06	.001	.001	1.483E-10	11.09	.80	.50	.001
71	7.5	-13.42	0.00	-7.62	-3.40	5.81	-4.37	1.922E-05	.008	.008	1.539E-08	11.10	.80	.50	.007
72	7.5	-8.07	0.00	-7.62	0.00	.38	-.99	6.775E-06	.003	.003	1.797E-09	11.52	.83	.50	.003
73	7.5	-8.85	0.00	-7.62	0.00	1.15	-.99	1.797E-04	.072	.071	1.264E-06	11.52	.83	.50	.067
74	7.5	-10.17	0.00	-7.62	0.00	2.37	-.99	6.099E-05	.024	.024	1.456E-07	11.52	.83	.50	.023
75	7.5	-11.40	0.00	-7.62	0.00	3.70	-.99	3.612E-05	.014	.014	5.108E-08	11.52	.83	.50	.013
76	7.5	-12.69	0.00	-7.62	0.00	4.99	-.99	4.130E-05	.016	.016	6.677E-08	11.52	.83	.50	.015
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	2.047E-05	.008	.008	1.641E-08	11.52	.83	.50	.008
78	7.5	-9.04	0.00	-7.62	3.59	.38	2.57	1.286E-03	.518	.508	6.552E-05	11.45	.82	.50	.489
79	7.5	-9.92	0.00	-7.62	3.63	1.17	2.68	1.783E-04	.072	.070	1.261E-06	11.44	.82	.50	.068
80	7.5	-10.17	0.00	-7.62	3.60	2.42	2.58	5.466E-05	.022	.022	1.184E-07	11.45	.82	.50	.021
81	7.5	-11.41	0.00	-7.62	3.55	3.76	2.53	3.731E-05	.015	.015	5.516E-08	11.45	.82	.50	.014
82	7.5	-12.73	0.00	-7.62	3.58	5.08	2.55	3.480E-05	.014	.014	4.799E-08	11.45	.82	.50	.013
83	7.5	-13.44	0.00	-7.62	3.62	5.79	2.59	5.807E-06	.002	.002	1.026E-09	11.44	.82	.50	.002
84	7.5	-7.80	0.00	-7.62	7.33	.31	6.27	1.537E-03	.674	.607	1.018E-04	10.80	.78	.50	.694
85	7.5	-8.59	0.10	-7.62	7.36	1.09	6.30	1.429E-04	.063	.056	8.887E-07	10.79	.78	.50	.065
86	7.5	-9.95	0.00	-7.62	7.36	2.36	6.30	5.770E-05	.025	.023	1.436E-07	10.79	.78	.50	.026
87	7.5	-11.23	0.00	-7.62	7.33	3.74	6.27	3.672E-05	.016	.015	5.812E-08	10.80	.78	.50	.017
88	7.5	-12.52	0.00	-7.62	7.33	5.03	6.27	2.872E-05	.013	.011	3.555E-08	10.80	.78	.50	.013
89	7.5	-13.16	0.00	-7.62	7.35	5.66	6.29	1.983E-05	.009	.008	1.695E-08	10.79	.78	.50	.009

279

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CENT TEST (92), M7AC-E PSI GAPS, RUN (42) 1973 PAGE 255

MACH = 10.290 TT = 1.013E+03(K)
PX E06 = 3.252E-01 PI = 5.175E+06(N/M2)
PL E06 = 8.129E-02 T1 = 4.774E+01(K)
RE/METER = 3.200E+06 P1 = 0.981E+02(N/M2)
HO = 2.5 E+00(W/M2- K) (RHO V)1 = 1.022E+01(KG/M2-S)
TW = 297.2 (K) GAP = .457 (CM)
STEP = 3.300(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (=0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	2.403E-05	.012	.009	2.758E-08	10.32	.75	.50	.008
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	2.434E-05	.012	.010	2.829E-08	10.32	.75	.50	.008
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	1.979E-05	.010	.008	1.870E-08	10.32	.75	.50	.007
12	15.0	0.00	7.62	0.00	-7.62	2.36	-7.36	1.378E-05	.007	.005	9.064E-09	10.32	.75	.50	.005
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	1.413E-04	.069	.056	9.530E-07	10.32	.75	.50	.048
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	1.538E-03	.795	.647	1.281E-04	10.32	.75	.50	.555
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	2.995E-03	1.432	1.184	4.217E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	3.094E-03	1.273	1.222	3.871E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.112E-03	1.230	1.230	3.762E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	2.957E-03	1.209	1.169	3.512E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.291E-03	1.032	.905	2.324E-04	10.59	.77	.50	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	1.003E-03	.458	.396	4.512E-05	10.49	.76	.50	.443
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	1.705E-04	.078	.067	1.303E-06	10.49	.76	.50	.075
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	4.753E-05	.022	.019	1.013E-07	10.49	.76	.50	.021
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	3.353E-05	.015	.013	5.041E-08	10.49	.76	.50	.015
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	9.355E-06	.004	.004	4.364E-09	10.49	.76	.50	.004
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	1.509E-05	.007	.006	1.021E-08	10.49	.76	.50	.007
26	15.0	-3.76	3.86	-3.76	-7.62	5.70	-8.33	1.266E-05	.006	.005	7.334E-09	9.99	.73	.50	.004
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	2.154E-05	.011	.009	2.341E-08	9.98	.73	.50	.008
28	15.0	-3.76	3.86	-3.76	-7.62	3.72	-8.33	2.389E-05	.012	.009	2.878E-08	9.99	.73	.50	.009
29	15.0	-3.81	3.81	-3.81	-7.62	2.44	-8.35	2.098E-05	.011	.008	2.221E-08	9.98	.73	.50	.008
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	1.466E-04	.075	.058	1.084E-06	9.98	.73	.50	.053
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	1.554E-03	.850	.654	1.382E-04	9.98	.73	.50	.601
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	2.812E-03	1.413	1.111	3.905E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	3.035E-03	1.298	1.199	3.872E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	3.155E-03	1.257	1.247	3.897E-04	11.52	.83	.50	
35	15.0	-3.89	3.73	-3.89	3.59	0.00	2.46	3.211E-03	1.293	1.269	4.082E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.06	2.513E-03	1.095	.993	2.704E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.42	.37	6.38	1.188E-03	.523	.470	6.106E-05	10.77	.78	.50	.478
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	1.390E-04	.061	.055	8.365E-07	10.76	.78	.50	.056
39	15.0	-3.80	3.82	-3.80	7.62	2.35	6.38	1.458E-05	.006	.006	9.186E-09	10.77	.78	.50	.006
40	15.0	-3.80	3.82	-3.80	7.62	3.62	6.38	2.562E-05	.011	.010	3.838E-08	10.77	.78	.50	.010
41	15.0	-3.67	3.95	-3.67	7.62	5.04	6.41	2.204E-05	.010	.009	2.104E-08	10.76	.78	.50	.009
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	8.892E-06	.004	.004	3.425E-09	10.76	.78	.50	.004
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	1.423E-05	.006	.006	1.075E-08	9.63	.71	.50	.007
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	1.668E-05	.009	.007	1.477E-08	9.63	.71	.50	.008
45	15.0	-7.32	.31	-7.32	-7.62	3.72	-9.25	3.798E-05	.021	.015	7.655E-08	9.63	.71	.50	.018
46	15.0	-7.36	.26	-7.36	-7.62	2.37	-9.26	2.829E-05	.015	.011	4.253E-08	9.63	.71	.50	.014

CFHT TEST (92), MRAC-F RSI GAPS, RUN (42) 1973 PAGE 256

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	1.177E-04	.064	.047	7.362E-07	9.63	.71	.50	.056
48	15.0	-7.26	.36	-7.26	-7.62	.33	-9.24	1.181E-03	.637	.466	7.392E-05	9.64	.71	.50	.563
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	2.132E-03	1.131	.842	2.369E-04	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	2.719E-03	1.206	1.074	3.222E-04	10.86	.79	.50	
51	15.0	-7.41	.22	-7.40	0.00	0.00	-1.92	2.590E-03	1.079	1.063	2.854E-04	11.46	.82	.50	
52	15.0	-7.58	.04	-7.58	3.58	0.00	1.50	2.809E-03	1.123	1.118	3.101E-04	11.53	.83	.50	
53	15.0	-7.16	.46	-7.16	7.24	0.00	5.14	2.292E-03	.971	.906	2.188E-04	11.06	.80	.50	
54	15.0	-7.25	.36	-7.26	7.62	.31	5.48	1.369E-03	.586	.541	7.885E-05	10.98	.79	.50	.603
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	1.769E-04	.076	.070	1.317E-06	10.99	.79	.50	.078
56	15.0	-7.25	.37	-7.25	7.62	2.32	5.48	8.043E-05	.034	.032	2.722E-07	10.98	.79	.50	.035
57	15.0	-7.26	.36	-7.26	7.62	3.70	5.48	5.212E-05	.022	.021	1.143E-07	10.98	.79	.50	.023
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	3.479E-05	.015	.014	5.094E-08	10.98	.79	.50	.015
59	15.0	-7.25	.37	-7.25	7.62	5.62	5.48	1.794E-05	.008	.007	1.355E-08	10.98	.79	.50	.008
60	15.0	-7.85	0.00	-7.62	-7.14	.27	-8.87	1.278E-03	.676	.505	8.488E-05	9.79	.72	.50	.598
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.07	1.231E-04	.066	.049	7.967E-07	9.71	.71	.50	.058
62	15.0	-9.92	0.00	-7.62	-7.13	2.34	-8.86	4.667E-05	.025	.018	1.131E-07	9.79	.72	.50	.022
63	15.0	-11.29	0.00	-7.62	-7.19	3.71	-8.92	2.463E-05	.013	.010	3.162E-08	9.77	.71	.50	.012
64	15.0	-12.60	0.00	-7.62	-7.14	5.02	-8.87	1.953E-05	.010	.008	1.982E-08	9.79	.72	.50	.009
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	1.356E-05	.007	.005	9.561E-09	9.79	.72	.50	.006
66	15.0	-7.38	0.00	-7.62	-3.44	.36	-5.30	1.527E-03	.672	.603	1.089E-04	10.90	.79	.50	.558
67	15.0	-8.81	0.00	-7.62	-3.44	1.19	-5.30	1.584E-04	.070	.063	1.086E-06	10.98	.79	.50	.058
68	15.0	-10.06	0.00	-7.62	-3.45	2.44	-5.30	4.367E-05	.019	.017	8.256E-08	10.90	.79	.50	.016
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	3.776E-05	.017	.015	6.187E-08	10.89	.79	.50	.014
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	4.739E-14	.000	.000	9.730E-26	10.90	.79	.50	.000
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	2.252E-05	.010	.009	2.190E-08	10.91	.79	.50	.008
72	15.0	-8.97	0.00	-7.62	0.00	.38	-1.97	5.329E-06	.002	.002	1.120E-09	11.45	.82	.50	.002
73	15.0	-8.85	0.00	-7.62	0.00	1.15	-1.97	1.754E-04	.078	.069	1.213E-06	11.45	.82	.50	.065
74	15.0	-10.07	0.00	-7.62	0.00	2.37	-1.97	4.900E-05	.020	.019	9.471E-08	11.45	.82	.50	.018
75	15.0	-11.40	0.00	-7.62	0.00	3.70	-1.97	5.206E-05	.021	.021	1.069E-07	11.45	.82	.50	.019
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	3.501E-05	.014	.014	4.835E-08	11.45	.82	.50	.013
77	15.0	-13.43	0.00	-7.62	0.00	5.74	-1.97	2.393E-05	.010	.009	2.259E-08	11.45	.82	.50	.009
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.50	1.367E-03	.546	.540	7.341E-05	11.53	.83	.50	.487
79	15.0	-8.82	0.00	-7.62	3.63	1.17	1.53	1.843E-04	.074	.073	1.336E-06	11.52	.83	.50	.066
80	15.0	-10.07	0.00	-7.62	3.60	2.42	1.51	4.681E-05	.019	.018	8.612E-08	11.53	.83	.50	.017
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	4.929E-05	.020	.019	9.544E-08	11.53	.83	.50	.018
82	15.0	-12.73	0.00	-7.62	3.58	5.08	1.48	3.597E-05	.014	.014	5.084E-08	11.53	.83	.50	.013
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	1.351E-05	.005	.005	7.179E-09	11.53	.83	.50	.005
84	15.0	-7.90	0.00	-7.62	7.33	.31	5.11	1.582E-03	.669	.625	1.041E-04	11.06	.80	.50	.589
85	15.0	-8.58	0.00	-7.62	7.36	1.09	5.14	1.541E-04	.065	.061	9.886E-07	11.06	.80	.50	.067
86	15.0	-9.86	0.00	-7.62	7.36	2.36	5.14	7.109E-05	.030	.028	2.104E-07	11.06	.80	.50	.031
87	15.0	-11.23	0.00	-7.62	7.33	3.74	5.11	3.797E-05	.016	.015	5.999E-08	11.06	.80	.50	.017
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	2.686E-05	.011	.011	3.001E-08	11.06	.80	.50	.012
89	15.0	-13.15	0.00	-7.62	7.35	5.66	5.13	2.581E-05	.011	.011	2.992E-08	11.06	.80	.50	.012

HEAT TEST (32), MDAC-E PSI GAPS, RUN (43) 1973 PAGE 257

MACH = 10.290 TT = 1.816E+03(K)
RX E06 = 3.230E-01 PI = 5.173E+06(N/M2)
RL E06 = 8.076E-02 T1 = 4.790E+01(K)
PERMETER = 3.179E+06 P1 = 0.980E+02(N/M2)
HC = 2.554E+08(W/M2- K) (PHO V)1 = 1.020E+01(KG/M2-S)
TW = 298.3 (K) GAP = .457 (CM)
STEP = 0.000(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	1.481E-05	.007	.006	1.011E-08	10.56	.77	.50	.005
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	1.456E-05	.007	.006	9.761E-09	10.56	.77	.53	.005
11	30.0	0.00	7.62	0.00	-7.62	3.74	-6.60	1.750E-06	.001	.001	1.411E-10	10.56	.77	.50	.001
12	30.0	0.00	7.62	0.00	-7.62	2.36	-6.60	1.590E-05	.007	.006	1.164E-08	10.56	.77	.50	.006
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	1.422E-04	.066	.056	9.316E-07	10.56	.77	.50	.050
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	1.501E-03	.748	.632	1.180E-04	10.56	.77	.50	.560
15	30.0	0.00	7.62	0.00	-7.29	0.00	-6.32	2.900E-03	1.336	1.146	3.818E-04	10.64	.77	.50	
16	30.0	0.00	7.62	0.00	-3.63	0.00	-3.15	3.143E-03	1.263	1.242	3.976E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.032E-03	1.198	1.198	3.579E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	2.921E-03	1.187	1.154	3.417E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.087E-03	.915	.825	1.883E-04	10.79	.78	.50	
20	30.0	0.00	7.62	0.00	7.62	.41	6.60	7.820E-04	.347	.309	2.673E-05	10.71	.78	.50	.379
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.559E-04	.069	.062	1.062E-06	10.71	.78	.50	.076
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	5.111E-05	.023	.020	1.142E-07	10.71	.78	.50	.025
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	1.862E-05	.008	.007	1.515E-08	10.71	.78	.50	.009
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	7.964E-06	.004	.003	2.772E-09	10.71	.78	.50	.004
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	7.435E-06	.003	.003	2.416E-09	10.71	.78	.50	.004
26	30.0	-3.76	3.86	-3.76	-7.62	5.70	-8.48	5.747E-06	.003	.002	1.684E-09	9.93	.72	.50	.002
27	30.0	-3.80	3.82	-3.80	-7.62	5.04	-8.50	1.440E-05	.007	.006	1.057E-08	9.93	.72	.50	.005
28	30.0	-3.75	3.86	-3.76	-7.62	3.72	-8.48	1.193E-05	.006	.005	7.252E-09	9.93	.72	.50	.004
29	30.0	-3.81	3.81	-3.81	-7.62	2.44	-8.51	1.972E-05	.010	.008	1.986E-08	9.93	.72	.50	.007
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	1.349E-04	.070	.053	9.291E-07	9.92	.72	.50	.049
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	1.617E-03	.839	.639	1.337E-04	9.91	.72	.50	.589
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	2.901E-03	1.423	1.107	3.929E-04	10.05	.73	.50	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	2.900E-03	1.269	1.146	3.629E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	3.131E-03	1.257	1.237	3.879E-04	11.45	.82	.58	
35	30.0	-3.99	3.73	-3.99	3.59	0.00	1.17	3.335E-03	1.330	1.318	4.372E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	2.485E-03	1.036	.982	2.536E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	1.059E-03	.444	.418	4.634E-05	11.14	.80	.50	.429
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	1.504E-04	.067	.063	1.064E-06	11.14	.80	.50	.065
39	30.0	-3.90	3.82	-3.90	7.62	2.35	4.70	2.597E-05	.011	.010	2.786E-08	11.14	.80	.50	.011
41	30.0	-3.81	3.92	-3.91	7.62	3.62	4.70	1.295E-05	.005	.005	5.932E-09	11.14	.80	.50	.005
41	30.0	-3.67	3.95	-3.67	7.62	5.34	4.77	1.477E-05	.006	.006	9.027E-09	11.13	.80	.50	.006
42	30.0	-3.62	4.00	-3.62	7.62	5.66	4.79	8.740E-06	.004	.003	3.163E-09	11.13	.80	.50	.004
43	30.0	-7.35	.27	-7.35	-7.62	5.70	-10.27	6.454E-06	.004	.003	2.339E-09	9.20	.68	.53	.004
44	30.0	-7.33	.29	-7.33	-7.62	4.91	-10.26	1.524E-05	.009	.005	1.479E-08	9.21	.68	.50	.009
45	30.0	-7.32	.31	-7.32	-7.62	3.72	-10.26	2.091E-05	.012	.008	2.453E-08	9.21	.68	.50	.012
46	30.0	-7.36	.26	-7.36	-7.62	2.37	-10.28	3.158E-05	.018	.012	5.600E-08	9.20	.68	.53	.018

CFHT TEST (92), MDAC-E RSI GAPS, RUN (43) 1973 PAGE 258

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	-7.35	.27	-7.35	-7.62	1.16	-10.27	1.016E-04	.058	.040	5.798E-07	9.20	.68	.50	.057
48	30.0	-7.26	.36	-7.26	-7.62	.33	-10.23	9.846E-04	.560	.389	5.432E-05	9.22	.68	.50	.549
49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	1.921E-03	1.021	.719	1.831E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	2.551E-03	1.200	1.000	3.037E-04	10.48	.76	.50	
51	30.0	-7.40	.22	-7.40	0.00	0.00	-5.70	2.717E-03	1.123	1.074	3.007E-04	11.22	.81	.50	
52	30.0	-7.49	.04	-7.50	3.50	0.00	-.69	3.061E-03	1.216	1.210	3.668E-04	11.54	.83	.50	
53	30.0	-7.16	.46	-7.16	7.24	0.00	2.69	2.242E-03	.986	.886	2.001E-04	11.43	.82	.50	.567
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	1.266E-03	.514	.500	6.411E-05	11.40	.82	.50	.883
55	30.0	-7.30	.32	-7.30	7.62	1.11	2.95	1.851E-04	.075	.073	1.369E-06	11.41	.82	.50	.019
56	30.0	-7.25	.37	-7.25	7.62	2.32	2.97	4.171E-05	.017	.016	6.956E-08	11.40	.82	.50	.009
57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	2.014E-05	.008	.008	1.622E-08	11.40	.82	.50	.009
58	30.0	-7.24	.38	-7.24	7.62	4.97	2.98	2.105E-05	.009	.008	1.773E-08	11.40	.82	.50	.008
59	30.0	-7.25	.37	-7.25	7.62	5.62	2.97	1.851E-05	.008	.007	1.386E-08	11.40	.82	.50	.568
60	30.0	-7.85	0.00	-7.62	-7.14	.27	-10.00	1.033E-03	.580	.408	5.906E-05	9.32	.69	.50	.052
61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	9.379E-05	.053	.037	4.913E-07	9.25	.68	.50	.889
62	30.0	-8.92	0.00	-7.62	-7.13	2.34	-9.98	1.555E-05	.009	.007	1.514E-08	9.33	.69	.50	.889
63	30.0	-11.29	0.00	-7.62	-7.19	3.71	-10.04	1.581E-05	.009	.006	1.386E-08	9.31	.68	.50	.006
64	30.0	-12.60	0.00	-7.62	-7.14	5.02	-9.99	1.172E-05	.007	.005	7.607E-09	9.33	.69	.50	.001
65	30.0	-13.22	0.00	-7.62	-7.14	5.63	-9.99	2.257E-06	.001	.001	2.820E-10	9.32	.69	.50	.542
66	30.0	-7.98	0.00	-7.62	-3.44	.36	-6.79	1.386E-03	.654	.548	8.937E-05	10.50	.76	.50	.055
67	30.0	-8.81	0.00	-7.62	-3.44	1.19	-6.79	1.402E-04	.066	.055	9.141E-07	10.50	.76	.50	.007
68	30.0	-10.06	0.00	-7.62	-3.45	2.44	-6.80	1.721E-05	.008	.007	1.378E-08	10.50	.76	.50	.006
69	30.0	-11.35	0.00	-7.62	-3.50	3.74	-6.84	1.443E-05	.007	.006	9.710E-09	10.49	.76	.50	
70	30.0	-12.95	0.00	-7.62	-3.46	5.04	-6.81	9.331E-07	.000	.000	4.054E-11	10.50	.76	.50	.000
71	30.0	-13.42	0.00	-7.62	-3.40	5.81	-6.76	9.990E-06	.005	.004	4.542E-09	10.51	.76	.50	.004
72															
73	30.0	-8.95	0.00	-7.62	0.00	1.15	-3.81	1.534E-04	.064	.061	9.608E-07	11.21	.81	.50	.057
74	30.0	-10.07	0.00	-7.62	0.00	2.37	-3.81	3.964E-05	.016	.016	6.412E-08	11.21	.81	.50	.015
75	30.0	-11.40	0.00	-7.62	0.00	3.70	-3.81	2.718E-05	.011	.011	3.016E-08	11.21	.81	.50	.010
76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	1.466E-05	.006	.006	8.769E-09	11.21	.81	.50	.005
77	30.0	-13.43	0.00	-7.62	0.00	5.74	-3.81	1.563E-05	.006	.006	9.965E-09	11.21	.81	.50	.006
78	30.0	-8.84	0.00	-7.62	3.59	.38	-.78	1.466E-03	.583	.579	8.419E-05	11.54	.83	.50	.479
79	30.0	-8.92	0.00	-7.62	3.63	1.17	-.67	1.648E-04	.065	.065	1.063E-06	11.54	.83	.50	.054
80	30.0	-10.07	0.00	-7.62	3.60	2.42	-.69	2.408E-05	.010	.010	2.424E-08	11.54	.83	.50	.008
81	30.0	-11.41	0.00	-7.62	3.55	3.76	-.73	2.194E-05	.009	.009	1.886E-08	11.54	.83	.50	.007
82	30.0	-12.73	0.00	-7.62	3.58	5.08	-.71	2.245E-05	.009	.009	1.973E-08	11.54	.83	.50	.007
83	30.0	-13.44	0.00	-7.62	3.62	5.79	-.68	5.311E-06	.002	.002	1.194E-09	11.54	.83	.50	.002
84	30.0	-7.90	0.00	-7.62	7.33	.31	2.54	1.508E-03	.604	.593	8.934E-05	11.45	.82	.50	.667
85	30.0	-8.58	0.00	-7.62	7.36	1.09	2.56	1.575E-04	.060	.066	1.115E-06	11.45	.82	.50	.075
86	30.0	-9.86	0.00	-7.62	7.36	2.36	2.56	3.574E-05	.014	.014	5.074E-08	11.45	.82	.50	.016
87	30.0	-11.23	0.00	-7.62	7.33	3.74	2.54	2.592E-05	.011	.011	2.879E-08	11.45	.82	.50	.012
88															
89	30.0	-13.19	0.00	-7.62	7.35	5.66	2.56	1.579E-05	.007	.007	1.128E-08	11.45	.82	.50	.007

283

ORIGINAL PAGE IS POOR.

CEHT TEST (32), MOAC-E RSI GAPS, RUN (44) 1973 PAGE 179

MACH = 10.290
PX E06 = 3.197E-01
PL E06 = 7.994E-02
RE/METER = 3.147E+06
HO = 2.554E+00(N/M2- K)
TW = 298.3 (K)
STEP = 0.003(CM)

TT = 1.022E+03(K)
PI = 5.179E+06(N/M2)
T1 = 4.820E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.017E+01(KG/M2-S)
GAP = .457 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-C[illegible], FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-[illegible] (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.70	7.62	1.787E-05	.006	.007	1.453E-08	10.41	.76	.50	.006
10	0.0	0.00	7.62	0.00	7.62	5.03	7.62	1.110E-05	.005	.004	5.605E-09	10.41	.76	.50	.004
11															
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	3.178E-05	.015	.013	4.594E-08	10.41	.76	.50	.011
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	1.838E-04	.085	.073	1.537E-06	10.41	.76	.50	.064
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.595E-03	.734	.630	1.157E-04	10.41	.76	.50	.550
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	2.891E-03	1.315	1.142	3.757E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	3.120E-03	1.279	1.233	3.943E-04	11.32	.82	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.098E-03	1.224	1.224	3.747E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	3.028E-03	1.247	1.197	3.733E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	2.788E-03	1.348	1.102	3.715E-04	10.35	.75	.50	
20	0.0	0.00	7.62	0.00	-7.62	.41	-7.62	1.387E-03	.683	.548	9.360E-05	10.24	.74	.50	.586
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	1.516E-04	.079	.064	1.270E-06	10.24	.74	.50	.059
22	0.0	0.00	7.62	0.00	-7.62	2.39	-7.62	2.556E-05	.013	.010	3.429E-08	10.24	.74	.50	.010
23	0.0	0.00	7.62	0.00	-7.62	3.70	-7.62	1.538E-05	.008	.006	1.150E-08	10.24	.74	.50	.006
24	0.0	0.00	7.62	0.00	-7.62	5.07	-7.62	1.771E-05	.009	.007	1.525E-08	10.24	.74	.50	.006
25	0.0	0.00	7.62	0.00	-7.62	5.73	-7.62	4.015E-06	.002	.002	7.837E-10	10.24	.74	.50	.001
26	0.0	3.76	11.39	3.76	7.62	5.70	7.62	1.556E-06	.001	.001	1.248E-10	10.41	.76	.50	.001
27	0.0	3.80	11.42	3.80	7.62	5.04	7.62	1.745E-05	.008	.007	1.386E-08	10.41	.76	.50	.005
28	0.0	3.76	11.38	3.76	7.62	3.72	7.62	1.462E-05	.007	.006	9.724E-09	10.41	.76	.50	.005
29	0.0	3.81	11.43	3.81	7.62	2.44	7.62	3.414E-05	.016	.013	5.305E-08	10.41	.76	.50	.011
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	2.381E-04	.110	.094	2.579E-06	10.41	.76	.50	.074
31	0.0	3.97	11.49	3.97	7.62	.33	7.62	2.023E-03	.931	.799	1.862E-04	10.41	.76	.50	.631
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	3.251E-03	1.476	1.285	4.743E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.759E-03	1.136	1.094	3.110E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.752E-03	1.087	1.087	2.958E-04	11.56	.83	.50	
35	0.0	3.99	11.51	3.99	-3.59	0.00	-3.59	2.829E-03	1.166	1.118	3.268E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	2.932E-03	1.418	1.159	4.110E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	1.606E-03	.790	.635	1.255E-04	10.24	.74	.50	.557
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	1.550E-04	.081	.065	1.323E-06	10.24	.74	.50	.057
39	0.0	3.80	11.42	3.80	-7.62	2.35	-7.62	3.143E-05	.015	.012	4.804E-08	10.24	.74	.50	.011
40	0.0	3.80	11.42	3.80	-7.62	3.62	-7.62	8.782E-06	.004	.003	3.751E-09	10.24	.74	.50	.003
41	0.0	3.67	11.29	3.67	-7.62	5.04	-7.62	7.590E-07	.000	.000	2.801E-11	10.24	.74	.50	.000
42	0.0	3.62	11.24	3.62	-7.62	6.68	-7.62	3.294E-06	.002	.001	5.276E-10	10.24	.74	.50	.001
43															
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	3.259E-06	.002	.001	4.861E-10	10.41	.76	.50	.002
45	0.0	7.32	14.94	7.32	7.62	3.72	7.62	1.201E-05	.006	.005	6.567E-09	10.41	.76	.50	.006
46	0.0	7.36	14.99	7.36	7.62	2.37	7.62	2.108E-05	.010	.008	2.022E-08	10.41	.76	.50	.011

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), MDAC-E RSI GAPS, RUN (44) 1973 PAGE 180

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	7.35	14.97	7.35	7.62	1.16	7.62	1.663E-04	.077	.066	1.258E-06	10.41	.76	.50	.006
48	0.0	7.26	14.88	7.26	7.62	.33	7.62	1.082E-03	.498	.427	5.324E-05	10.41	.76	.50	.557
49	0.0	.27	14.89	7.27	7.30	0.00	7.30	1.965E-03	.894	.776	1.737E-04	10.51	.76	.50	
51	0.0	7.40	15.02	7.40	0.00	0.00	0.00	1.553E-03	.614	.614	9.416E-05	11.31	.82	.50	
52	0.0	7.58	15.20	7.58	-3.58	0.00	-3.58	1.584E-03	.694	.665	1.155E-04	11.56	.83	.50	
53	0.0	7.16	14.78	7.16	-7.24	0.00	-7.24	1.820E-03	.879	.719	1.581E-04	11.24	.81	.50	
54	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	1.218E-03	.599	.481	7.215E-05	10.36	.75	.50	
55	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	1.841E-04	.091	.073	1.649E-06	10.24	.74	.50	.682
56	0.0	7.25	14.87	7.25	-7.62	2.32	-7.62	2.285E-05	.011	.009	2.364E-08	10.24	.74	.50	.193
57	0.0	7.26	14.88	7.26	-7.62	3.78	-7.62	1.246E-05	.006	.005	7.547E-09	10.24	.74	.50	.012
58	0.0	7.24	14.86	7.24	-7.62	4.97	-7.62	5.197E-06	.003	.002	1.313E-09	10.24	.74	.50	.007
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	3.175E-06	.002	.001	4.981E-10	10.24	.74	.50	.003
60	0.0	7.85	15.24	7.62	7.14	.27	7.14	9.379E-04	.424	.371	3.934E-05	10.56	.77	.50	.002
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	1.521E-04	.074	.064	1.183E-06	10.58	.76	.50	.475
62	0.0	9.92	15.24	7.62	7.13	2.34	7.13	3.946E-05	.018	.016	6.968E-08	10.56	.77	.50	.083
63	0.0	11.29	15.24	7.62	7.19	3.71	7.19	2.381E-05	.011	.009	2.540E-08	10.54	.77	.50	.020
64	0.0	12.68	15.24	7.62	7.14	5.02	7.14	1.546E-05	.007	.006	1.868E-08	10.56	.77	.50	.012
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	2.096E-06	.001	.001	3.750E-10	10.56	.77	.50	.008
66	0.0	7.98	15.24	7.62	3.44	.36	3.44	6.985E-04	.285	.276	1.971E-05	11.35	.82	.50	.001
67	0.0	8.81	15.24	7.62	3.44	1.19	3.44	2.179E-04	.089	.086	1.917E-06	11.35	.82	.50	.444
68	0.0	10.06	15.24	7.62	3.45	2.44	3.45	4.123E-05	.017	.016	6.868E-08	11.34	.82	.50	.139
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	1.577E-05	.006	.006	1.885E-08	11.34	.82	.50	.026
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	4.739E-14	.000	.000	9.874E-26	11.34	.82	.50	.010
71	0.0	13.42	15.24	7.62	3.40	5.81	3.40	5.978E-07	.000	.000	1.439E-11	11.35	.82	.50	.000
72	0.0	8.07	15.24	7.62	0.00	.38	0.00	3.415E-06	.001	.001	4.554E-10	11.56	.83	.50	.000
73	0.0	8.85	15.24	7.62	0.00	1.15	0.00	2.449E-04	.097	.097	2.343E-06	11.56	.83	.50	.002
74	0.0	10.07	15.24	7.62	0.00	2.37	0.00	4.365E-05	.017	.017	7.441E-08	11.56	.83	.50	.150
75	0.0	11.40	15.24	7.62	0.00	3.7	0.00	1.657E-05	.007	.007	1.073E-08	11.56	.83	.50	.020
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	1.403E-05	.006	.006	7.688E-09	11.56	.83	.50	.011
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	5.861E-06	.002	.002	1.342E-09	11.56	.83	.50	.009
78	0.0	8.04	15.24	7.62	-3.59	.38	-3.59	8.151E-04	.336	.322	2.707E-05	11.24	.81	.50	.004
79	0.0	8.82	15.24	7.62	-3.63	1.17	-3.63	2.433E-04	.100	.096	2.414E-06	11.24	.81	.50	.484
80	0.0	10.07	15.24	7.62	-3.60	2.42	-3.60	2.283E-05	.009	.009	2.124E-08	11.24	.81	.50	.145
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	1.631E-05	.007	.006	1.083E-08	11.25	.81	.50	.014
82	0.0	12.73	15.24	7.62	-3.58	5.08	-3.58	1.062E-05	.004	.004	4.595E-09	11.24	.81	.50	.010
83	0.0	13.44	15.24	7.62	-3.62	5.79	-3.62	1.559E-06	.001	.001	1.121E-10	11.24	.81	.50	.006
84	0.0	7.90	15.24	7.62	-7.33	.31	-7.33	1.134E-03	.550	.448	6.166E-05	10.33	.75	.50	.001
85	0.0	8.59	15.24	7.62	-7.36	1.09	-7.36	2.029E-04	.099	.080	1.977E-06	10.32	.75	.50	.626
86	0.0	9.86	15.24	7.62	-7.36	2.36	-7.36	1.945E-05	.009	.007	1.635E-08	10.32	.75	.50	.112
87	0.0	11.23	15.24	7.62	-7.33	3.74	-7.33	1.563E-05	.008	.006	1.171E-08	10.33	.75	.50	.010
88	0.0	12.52	15.24	7.62	-7.33	5.03	-7.33	1.143E-05	.006	.005	6.259E-09	10.33	.75	.50	.009
89	0.0	13.15	15.24	7.62	-7.35	5.66	-7.35	1.451E-05	.007	.006	1.010E-08	10.33	.75	.50	.006
															.008

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CHT TEST (92), MDAC-E RSI GAPS, RUN (45) 1373 PAGE 181

MACH = 11.290
PX E05 = 3.188E-01
PL E05 = 7.959E-02
PERIMETER = 3.137E+06
H0 = 2.554E+00(W/M2- K)
TW = 296.5 (K)
STEP = 0.000(CM)

TT = 1.023E+03(K)
PI = 5.177E+05(N/M2)
T1 = 4.828E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.015E+01(KG/M2-S)
GAP = .457 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/H0
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	3.285E-05	.015	.013	4.905E-08	10.43	.76	.50	.013
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	4.362E-05	.019	.016	7.500E-08	10.43	.76	.50	.016
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	2.726E-05	.013	.011	3.379E-08	10.43	.76	.50	.011
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	2.560E-05	.012	.010	2.978E-08	10.43	.76	.50	.010
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	1.541E-04	.075	.065	1.224E-06	10.43	.76	.50	.067
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.368E-03	.628	.540	8.502E-05	10.43	.76	.50	.555
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.495E-03	1.132	.986	2.796E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	3.086E-03	1.264	1.219	3.868E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.119E-03	1.233	1.233	3.885E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	0.00	-3.51	3.054E-03	1.261	1.211	3.824E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	3.133E-03	1.468	1.199	4.389E-04	10.37	.75	.50	
20	7.5	0.00	7.62	0.00	-7.62	.41	-7.55	1.526E-03	.748	.603	1.138E-04	10.26	.75	.50	.512
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	1.675E-04	.082	.066	1.361E-06	10.26	.75	.50	.056
22	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	2.896E-05	.014	.011	4.070E-08	10.26	.75	.50	.010
23	7.5	0.00	7.62	0.00	-7.62	3.70	-7.55	2.417E-05	.012	.010	2.834E-08	10.26	.75	.50	.008
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	2.526E-05	.012	.010	3.097E-08	10.26	.75	.50	.008
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	6.020E-06	.003	.002	1.759E-09	10.26	.75	.50	.002
26	7.5	3.76	11.38	3.76	7.62	5.70	8.05	2.337E-05	.011	.009	2.555E-08	10.28	.75	.50	.009
27	7.5	3.80	11.42	3.80	7.62	5.04	8.05	3.299E-05	.016	.013	5.094E-08	10.28	.75	.50	.013
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	4.406E-05	.021	.017	9.082E-08	10.28	.75	.50	.016
29	7.5	3.81	11.43	3.81	7.62	2.44	8.05	3.663E-05	.017	.014	6.282E-08	10.28	.75	.50	.015
30	7.5	3.83	11.45	3.83	7.62	1.16	8.05	2.462E-04	.116	.097	2.839E-06	10.27	.75	.50	.090
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.536E-03	.727	.607	1.105E-04	10.27	.75	.50	.613
32	7.5	3.79	11.41	3.79	7.24	0.00	7.67	2.558E-03	1.186	1.015	3.015E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.578E-03	1.116	1.058	2.943E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.767E-03	1.098	1.093	3.006E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	2.995E-03	1.220	1.183	3.617E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	3.445E-03	1.621	1.361	5.528E-04	10.52	.76	.50	
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	1.894E-03	.906	.748	1.696E-04	10.42	.76	.50	.559
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	1.866E-04	.089	.074	1.649E-06	10.42	.76	.50	.055
39	7.5	3.80	11.42	3.80	-7.62	2.35	-7.06	4.779E-05	.023	.019	1.082E-07	10.42	.76	.50	.014
40	7.5	3.80	11.42	3.80	-7.62	3.62	-7.06	2.393E-05	.011	.009	2.724E-08	10.42	.76	.50	.007
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.08	1.365E-05	.007	.005	9.892E-09	10.41	.76	.50	.004
42	7.5	3.62	11.24	3.62	-7.62	5.68	-7.08	9.597E-06	.005	.004	4.367E-09	10.41	.76	.50	.003
43	7.5	7.35	14.97	7.35	7.62	5.70	8.51	1.165E-05	.006	.005	5.532E-09	10.12	.74	.50	.009
44	7.5	7.33	14.95	7.33	7.62	4.91	8.51	1.294E-05	.006	.005	8.056E-09	10.12	.74	.50	.010
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	3.144E-05	.015	.012	4.759E-08	10.12	.74	.50	.024
46	7.5	7.30	14.93	7.30	7.62	2.37	8.51	3.019E-05	.015	.012	4.389E-08	10.12	.74	.50	.023

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (45) 1973 PAGE 182

CH	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	7.35	14.97	7.35	7.62	1.16	8.51	1.519E-04	.074	.060	1.112E-06	10.12	.74	.50	.116
49	7.5	7.26	14.88	7.26	7.62	.33	8.58	7.095E-04	.345	.280	2.422E-05	10.12	.74	.50	.543
49	7.5	7.27	14.89	7.27	7.30	0.00	8.19	1.332E-03	.635	.526	8.375E-05	10.23	.75	.56	
50	7.5	7.33	14.95	7.33	3.69	0.00	4.61	1.465E-03	.613	.579	8.885E-05	11.16	.81	.58	
51	7.5	7.40	15.02	7.40	0.00	0.00	.97	1.542E-03	.614	.609	9.371E-05	11.55	.83	.50	
52	7.5	7.58	15.20	7.58	-3.58	0.00	-2.56	1.849E-03	.746	.731	1.364E-04	11.39	.82	.58	
53	7.5	7.16	14.78	7.16	-7.24	0.00	-6.25	2.319E-03	1.066	.916	2.446E-04	10.66	.77	.50	
54	7.5	7.26	14.88	7.26	-7.62	.31	-6.61	1.573E-03	.736	.621	1.145E-04	10.56	.77	.50	.698
55	7.5	7.30	14.92	7.30	-7.62	1.11	-6.60	1.990E-04	.093	.079	1.032E-06	10.56	.77	.58	.087
56	7.5	7.25	14.87	7.25	-7.62	2.32	-6.61	9.649E-06	.005	.004	4.310E-09	10.56	.77	.50	.004
57	7.5	7.26	14.88	7.26	-7.62	3.78	-6.61	1.383E-05	.009	.008	1.020E-08	10.56	.77	.58	.009
58	7.5	7.24	14.86	7.24	-7.62	4.97	-6.61	1.773E-05	.008	.007	1.456E-08	10.55	.77	.58	.008
59	7.5	7.25	14.87	7.25	-7.62	5.62	-6.61	2.071E-05	.010	.008	1.985E-08	10.55	.77	.58	.009
60	7.5	7.95	15.24	7.62	7.14	.27	8.08	6.580E-04	.312	.260	2.030E-05	10.27	.75	.50	.491
61	7.5	8.75	15.24	7.62	7.35	1.17	8.28	1.701E-04	.082	.067	1.374E-06	10.28	.75	.58	.128
62	7.5	9.92	15.24	7.62	7.13	2.34	8.06	2.588E-05	.013	.011	3.384E-08	10.27	.75	.58	.020
63	7.5	11.29	15.24	7.62	7.19	3.71	8.12	3.461E-05	.016	.014	5.633E-08	10.25	.75	.50	.026
64	7.5	12.63	15.24	7.62	7.14	5.02	8.07	2.413E-05	.011	.010	2.729E-08	10.27	.75	.58	.018
65	7.5	13.22	15.24	7.62	7.14	5.63	8.07	9.873E-06	.005	.004	4.570E-09	10.27	.75	.58	.007
66	7.5	7.94	15.24	7.62	3.44	.36	4.41	7.042E-04	.293	.278	2.844E-05	11.20	.81	.50	.479
67	7.5	8.81	15.24	7.62	3.44	1.19	4.41	2.235E-04	.093	.088	2.059E-06	11.20	.81	.58	.152
68	7.5	10.05	15.24	7.62	3.45	2.44	4.41	4.744E-05	.020	.019	9.270E-08	11.19	.81	.50	.032
69	7.5	11.35	15.24	7.62	3.58	3.74	4.46	2.937E-05	.012	.012	3.559E-08	11.19	.81	.58	.020
70	7.5	12.65	15.24	7.62	3.46	5.04	4.43	3.250E-07	.000	.000	4.377E-12	11.19	.81	.58	.000
71	7.5	13.42	15.24	7.62	3.40	5.81	4.37	1.508E-05	.007	.006	1.065E-08	11.20	.81	.58	.011
72															
73	7.5	8.85	15.24	7.62	0.00	1.15	.99	2.433E-04	.097	.096	2.332E-06	11.55	.83	.58	.158
74	7.5	10.07	15.24	7.62	0.00	2.37	.99	5.287E-05	.021	.021	1.102E-07	11.55	.83	.58	.034
75	7.5	11.40	15.24	7.62	0.00	3.70	.99	1.675E-05	.006	.006	8.577E-09	11.55	.83	.58	.010
76	7.5	12.69	15.24	7.62	0.00	4.99	.99	2.208E-05	.009	.009	1.922E-08	11.55	.83	.58	.014
77	7.5	13.43	15.24	7.62	0.00	5.74	.99	2.860E-06	.001	.001	3.223E-10	11.55	.83	.58	.002
78	7.5	8.04	15.24	7.62	-3.59	.38	-2.57	9.137E-04	.368	.361	3.332E-05	11.39	.82	.58	.594
79	7.5	8.82	15.24	7.62	-3.63	1.17	-2.60	2.527E-04	.102	.100	2.551E-06	11.38	.82	.58	.137
80	7.5	10.07	15.24	7.62	-3.60	2.42	-2.58	1.447E-05	.006	.006	8.357E-09	11.39	.82	.58	.008
81	7.5	11.41	15.24	7.62	-3.55	3.76	-2.53	2.715E-05	.011	.011	2.940E-08	11.39	.82	.58	.015
82	7.5	12.73	15.24	7.62	-3.58	5.08	-2.55	1.600E-05	.006	.006	1.021E-08	11.39	.82	.58	.009
83	7.5	13.44	15.24	7.62	-3.62	5.79	-2.59	8.810E-06	.003	.003	2.567E-09	11.38	.82	.58	.004
84	7.5	7.80	15.24	7.62	-7.33	.31	-6.27	1.428E-03	.653	.561	9.180E-05	10.65	.77	.58	.613
85	7.5	8.58	15.24	7.62	-7.36	1.09	-6.30	2.301E-04	.106	.091	2.414E-06	10.64	.77	.50	.099
86	7.5	9.86	15.24	7.62	-7.36	2.36	-6.30	1.938E-05	.009	.008	1.711E-08	10.64	.77	.58	.008
87	7.5	11.23	15.24	7.62	-7.33	3.74	-6.27	1.362E-05	.006	.005	7.722E-09	10.65	.77	.58	.006
88	7.5	12.52	15.24	7.62	-7.33	5.03	-6.27	9.845E-06	.005	.004	4.412E-09	10.65	.77	.58	.004
89	7.5	13.16	15.24	7.62	-7.35	5.66	-6.29	5.426E-06	.002	.002	1.341E-09	10.64	.77	.58	.002

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

FLIGHT TEST (92), MDAC-E RSI GAPS, RUN (46) 1973

MACH = 10.290 TT = 1.024E+03(K)
RE/FOOT = 3.179E-01 PI = 5.175E+06(N/M2)
RE/METER = 7.969E-02 TI = 4.836E+01(K)
HO = 3.129E+06 P1 = 0.980E+02(N/M2)
PW = 2.554E+00(N/M2- K) (RHO V)1 = 1.014E+01(KG/M2-S)
STEP = 29.0 (IN) GAP = .457 (CM)
= 0.000(CM) CONF =IN-L

TAWATT =0.995 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 TO 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TM	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	TI-TNK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	1.639E-05	.707	.006	1.213E-08	10.49	.76	.50	.007
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	1.616E-05	.007	.006	1.180E-08	10.49	.76	.50	.007
11	15.0	3.00	7.62	0.00	7.62	3.74	7.36	1.323E-05	.006	.005	7.911E-09	10.49	.76	.50	.006
12	15.0	6.00	7.62	0.00	7.62	2.36	7.36	2.525E-05	.012	.010	2.881E-08	10.49	.76	.50	.012
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	1.824E-04	.083	.072	1.503E-06	10.49	.76	.50	.083
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	1.146E-03	.522	.453	5.931E-05	10.49	.76	.50	.523
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	2.217E-03	1.000	.876	2.196E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	3.051E-03	1.248	1.206	3.772E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.102E-03	1.226	1.226	3.768E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.54	0.00	-3.42	3.084E-03	1.267	1.219	3.871E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	3.128E-03	1.494	1.236	4.631E-04	10.43	.76	.50	
20	15.0	0.00	7.62	0.00	-7.62	.41	-7.36	1.510E-03	.737	.600	1.109E-04	10.32	.75	.50	.494
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	1.521E-04	.074	.060	1.113E-06	10.32	.75	.50	.049
22	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	1.883E-05	.009	.007	1.787E-08	10.32	.75	.50	.006
23	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	1.993E-05	.010	.008	1.912E-08	10.32	.75	.50	.006
24															
25	15.0	3.00	7.62	0.00	-7.62	5.73	-7.36	2.217E-06	.001	.001	2.365E-10	10.32	.75	.50	.001
26															
27															
28	15.0	3.76	11.38	3.76	7.62	3.72	8.33	1.859E-05	.009	.007	1.631E-08	10.18	.74	.50	.009
29	15.0	3.91	11.43	3.81	7.62	2.44	8.35	1.956E-05	.009	.007	1.663E-08	10.18	.74	.50	.009
30	15.0	3.83	11.45	3.83	7.62	1.16	8.35	1.897E-04	.091	.075	1.717E-06	10.17	.74	.50	.092
31	15.0	3.87	11.49	3.87	7.62	.33	8.36	1.124E-03	.542	.444	6.037E-05	10.17	.74	.50	.546
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	2.107E-03	.992	.833	2.371E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.613E-03	1.033	1.033	2.831E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.743E-03	1.092	1.084	2.969E-04	11.55	.83	.50	
35	15.0	3.89	11.51	3.89	-3.59	0.00	-2.46	3.076E-03	1.239	1.215	3.775E-04	11.40	.82	.50	
36	15.0	3.74	11.36	3.74	-7.28	0.00	-6.06	3.791E-03	1.728	1.498	6.489E-04	10.71	.78	.50	
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	2.057E-03	.951	.813	1.939E-04	10.62	.77	.50	
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	1.486E-04	.069	.059	1.013E-06	10.62	.77	.50	.550
39	15.0	3.80	11.42	3.80	-7.62	2.35	-6.38	5.523E-06	.003	.002	1.397E-09	10.62	.77	.50	.040
40	15.0	3.80	11.42	3.80	-7.62	3.62	-6.38	5.578E-06	.003	.002	1.425E-09	10.62	.77	.50	.001
41	15.0	3.67	11.29	3.67	-7.62	4.64	-6.41	5.959E-06	.003	.002	1.629E-09	10.61	.77	.50	.001
42	15.0	3.62	11.24	3.62	-7.62	5.68	-6.42	3.459E-06	.002	.001	5.492E-10	10.61	.77	.50	.802
43	15.0	7.35	14.97	7.35	7.62	5.70	9.26	9.279E-07	.000	.000	4.338E-11	9.85	.72	.50	.001
44	15.0	7.33	14.95	7.33	7.62	4.91	9.26	1.238E-06	.001	.000	7.719E-11	9.85	.72	.50	.001
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	8.242E-06	.004	.003	3.421E-09	9.85	.72	.50	.008
46	15.0	7.35	14.98	7.36	7.62	2.37	9.26	2.078E-05	.011	.008	2.176E-09	9.84	.72	.50	.021

3.4- 91

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

HEAT TEST (92), MDAC-E RSI GAPS, RUN (46) 1973 PAGE 184

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XT (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	1.121E-04	.057	.044	6.332E-07	9.85	.72	.58	.112
48	15.0	7.26	14.88	7.26	7.62	.33	9.24	4.784E-04	.243	.189	1.152E-05	9.85	.72	.58	.479
49	15.0	7.27	14.89	7.27	7.38	0.00	8.93	1.017E-03	.507	.402	5.108E-05	9.97	.73	.58	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.413E-03	.604	.558	8.459E-05	10.99	.80	.58	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.586E-03	.628	.619	9.758E-05	11.58	.83	.58	
52	15.0	7.58	15.20	7.58	-3.58	0.00	-1.50	1.980E-03	.792	.783	1.553E-04	11.49	.83	.58	
53	15.0	7.16	14.78	7.16	-7.24	0.00	-5.14	2.717E-03	1.188	1.074	3.197E-04	10.94	.79	.58	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.48	1.778E-03	.798	.783	1.391E-04	10.86	.78	.58	.665
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	1.960E-04	.087	.077	1.690E-06	10.86	.78	.58	.073
56	15.0	7.25	14.87	7.25	-7.62	2.32	-5.48	1.005E-05	.004	.004	4.442E-09	10.86	.78	.58	.004
57	15.0	7.26	14.88	7.26	-7.62	3.70	-5.48	9.894E-06	.004	.004	4.386E-09	10.86	.78	.58	.004
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	2.005E-06	.001	.001	1.768E-10	10.86	.78	.58	.001
59	15.0	7.25	14.87	7.25	-7.62	5.62	-5.48	3.887E-06	.002	.002	6.646E-10	10.86	.78	.58	.001
60	15.0	7.85	15.24	7.62	7.14	.27	8.87	4.545E-04	.226	.188	1.017E-05	9.99	.73	.58	.445
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	1.418E-04	.071	.056	1.802E-06	9.92	.73	.58	.141
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	3.389E-05	.016	.013	5.387E-08	10.08	.73	.58	.032
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	1.885E-05	.009	.007	1.754E-08	9.97	.73	.58	.019
64	15.0	12.60	15.24	7.62	7.14	5.02	8.87	8.847E-06	.004	.003	3.854E-09	9.99	.73	.58	.009
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	1.845E-05	.009	.004	5.302E-09	9.99	.73	.58	.018
66	15.0	7.98	15.24	7.62	3.44	.36	5.38	6.514E-04	.277	.257	1.789E-05	11.82	.88	.58	.459
67	15.0	8.81	15.24	7.62	3.44	1.19	5.30	2.057E-04	.088	.082	1.802E-06	11.82	.88	.58	.146
68	15.0	10.06	15.24	7.62	3.45	2.44	5.38	3.415E-05	.015	.013	4.928E-08	11.82	.88	.58	.024
69	15.0	11.35	15.24	7.62	3.50	3.74	5.35	1.304E-05	.008	.007	1.375E-08	11.81	.88	.58	.013
70	15.0	12.65	15.24	7.62	3.46	5.04	5.32	4.817E-14	.000	.000	9.790E-26	11.82	.88	.58	.000
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	1.505E-05	.006	.006	9.548E-09	11.83	.88	.58	.011
72	15.0	8.37	15.24	7.62	0.00	.38	1.97	2.088E-06	.001	.001	1.733E-10	11.50	.83	.58	.001
73	15.0	8.95	15.24	7.62	0.00	1.15	1.97	2.134E-04	.086	.084	1.811E-06	11.58	.83	.58	.136
74	15.0	10.07	15.24	7.62	0.00	2.37	1.97	3.737E-05	.015	.015	5.551E-08	11.58	.83	.58	.024
75	15.0	11.40	15.24	7.62	0.00	3.78	1.97	2.235E-05	.009	.009	1.985E-08	11.58	.83	.58	.014
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	1.017E-05	.004	.004	4.188E-09	11.58	.83	.58	.006
77	15.0	13.43	15.24	7.62	0.00	5.74	1.97	1.358E-05	.005	.005	7.336E-09	11.58	.83	.58	.009
78	15.0	8.04	15.24	7.62	-3.59	.38	-1.50	9.310E-04	.372	.368	3.433E-05	11.49	.83	.58	.470
79	15.0	8.82	15.24	7.62	-3.63	1.17	-1.53	2.199E-04	.088	.087	1.916E-06	11.49	.83	.58	.111
80	15.0	10.07	15.24	7.62	-3.60	2.42	-1.51	3.379E-05	.014	.013	4.523E-08	11.49	.83	.58	.017
81	15.0	11.41	15.24	7.62	-3.55	3.76	-1.46	1.885E-05	.008	.007	1.407E-08	11.50	.83	.58	.010
82	15.0	12.73	15.24	7.62	-3.58	5.08	-1.48	8.936E-06	.004	.004	3.163E-09	11.49	.83	.58	.005
83															
84	15.0	7.80	15.24	7.62	-7.33	.31	-5.11	1.585E-03	.692	.626	1.086E-04	10.94	.79	.58	.582
85	15.0	8.53	15.24	7.62	-7.26	1.09	-5.14	2.088E-04	.091	.082	1.887E-06	10.94	.79	.58	.077
86	15.0	9.85	15.24	7.62	-7.36	2.36	-5.14	1.214E-05	.005	.005	6.376E-09	10.94	.79	.58	.004
87	15.0	11.23	15.24	7.62	-7.33	3.74	-5.11	1.111E-05	.005	.004	5.335E-09	10.94	.79	.58	.004
88															
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290 TT = 1.080E+03(K)
PX E06 = 3.332E-01 PI = 5.178E+06(N/M2)
PL E06 = 8.729E-02 T1 = 4.711E+01(K)
PE/METER = 3.279E+06 P1 = 0.984E+02(N/M2)
HO = 2.554E+08(M2/S2- K) (RHO V)1 = 1.031E+01(KG/M2-S)
TW = 298.1 (K) GAP = .457 (CM)
STEP = 0.000(CM) CONF =IN-L

TAN/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	7.62	5.70	6.60	2.548E-05	.011	.010	2.806E-08	10.71	.78	.50	.014
10	30.0	0.00	7.62	0.00	7.62	5.03	6.60	3.248E-05	.014	.013	4.559E-08	10.71	.78	.50	.018
11	30.0	0.00	7.62	0.00	7.62	3.74	6.60	3.566E-05	.016	.014	5.495E-08	10.71	.78	.50	.019
12	30.0	0.00	7.62	0.00	7.62	2.36	6.60	3.773E-05	.017	.015	6.151E-08	10.71	.78	.50	.020
13	30.0	0.00	7.62	0.00	7.62	1.14	6.60	1.364E-04	.060	.054	8.035E-07	10.71	.78	.53	.074
14	30.0	0.00	7.62	0.00	7.62	.33	6.60	8.401E-04	.373	.332	3.050E-05	10.71	.78	.50	.453
15	30.0	0.00	7.62	0.00	7.29	0.00	6.32	1.872E-03	.822	.748	1.499E-04	10.78	.78	.58	
16	30.0	0.00	7.62	0.00	3.63	0.00	3.15	2.981E-03	1.213	1.178	3.523E-04	11.38	.82	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.086E-03	1.219	1.219	3.666E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	-3.54	0.00	-3.07	3.029E-03	1.237	1.197	3.644E-04	11.32	.81	.50	
19	30.0	0.00	7.62	0.00	-7.27	0.00	-6.29	3.857E-03	1.407	1.208	4.192E-04	10.64	.77	.50	
20	30.0	0.00	7.62	0.00	-7.62	.41	-6.60	1.479E-03	.632	.585	9.969E-05	10.56	.77	.50	.491
21	30.0	0.00	7.62	0.00	-7.62	1.17	-6.60	1.528E-04	.076	.064	1.207E-06	10.56	.77	.50	.054
22	30.0	0.00	7.62	0.00	-7.62	2.39	-6.60	1.953E-05	.009	.008	1.737E-08	10.56	.77	.50	.006
23	30.0	0.00	7.62	0.00	-7.62	3.70	-6.60	1.824E-05	.009	.007	1.516E-08	10.56	.77	.50	.006
24	30.0	0.00	7.62	0.00	-7.62	5.07	-6.60	2.779E-05	.013	.011	3.519E-08	10.56	.77	.50	.009
25	30.0	0.00	7.62	0.00	-7.62	5.73	-6.60	1.532E-05	.008	.006	1.213E-08	10.56	.77	.50	.005
26	30.0	3.75	11.38	3.76	7.62	5.70	8.48	1.574E-05	.008	.006	1.173E-08	10.13	.74	.50	.010
27	30.0	3.80	11.42	3.80	7.62	5.04	8.50	1.335E-05	.006	.005	9.446E-09	10.12	.74	.50	.008
28	30.0	3.76	11.38	3.76	7.62	3.72	8.48	1.004E-05	.005	.004	[illegible] E-09	10.13	.74	.50	.006
29	30.0	3.81	11.43	3.81	7.62	2.44	8.51	3.083E-05	.015	.012	[illegible] E-08	10.12	.74	.50	.019
30	30.0	3.83	11.45	3.83	7.62	1.16	8.51	1.438E-04	.070	.057	[illegible] E-07	10.12	.74	.50	.093
31	30.0	3.87	11.49	3.87	7.62	.33	8.53	7.564E-04	.368	.299	[illegible] E-05	10.11	.74	.50	.472
32	30.0	3.79	11.41	3.79	7.24	0.00	8.17	1.640E-03	.781	.648	1.2[illegible]04	10.24	.75	.58	
33	30.0	3.92	11.54	3.92	3.71	0.00	5.17	2.568E-03	1.886	1.012	2.7[illegible]04	11.05	.80	.58	
34	30.0	3.95	11.57	3.95	0.00	0.00	1.98	2.694E-03	1.081	1.065	2.63[illegible]	11.50	.83	.50	
35	30.0	3.89	11.51	3.89	-3.59	0.00	-1.17	3.301E-03	1.317	1.305	4.2[illegible]17	11.51	.83	.58	
36	30.0	3.74	11.36	3.74	-7.28	0.00	-4.43	4.005E-03	1.701	1.583	6.63	11.09	.80	.58	
37	30.0	3.79	11.41	3.79	-7.62	.37	-4.70	2.050E-03	.885	.814	1.77[illegible]	11.03	.80	.58	.520
38	30.0	3.74	11.36	3.74	-7.62	1.15	-4.73	1.517E-04	.065	.060	9.634E-[illegible]	11.03	.80	.50	.039
39	30.0	3.80	11.42	3.80	-7.62	2.35	-4.70	2.820E-05	.012	.011	3.326E-08	11.03	.80	.50	.007
40	30.0	3.80	11.42	3.80	-7.62	3.62	-4.70	1.921E-05	.008	.008	1.543E-08	11.03	.80	.50	.005
41	30.0	3.67	11.29	3.67	-7.62	5.04	-4.77	1.029E-05	.004	.004	4.438E-0[illegible]	11.[illegible]2	.80	.50	.003
42	30.0	3.62	11.24	3.62	-7.62	5.68	-4.79	2.563E-05	.011	.010	2.631E-[illegible]	11.02	.79	.53	.006
43	30.0	7.35	14.37	7.35	7.62	5.70	10.27	1.349E-05	.006	.004	5.773E[illegible]	[illegible].44	.70	.50	.015
44	30.0	7.33	14.95	7.33	7.62	4.91	10.26	1.570E-05	.006	.006	1.291E-[illegible]	[illegible].44	.70	.50	.022
45	30.0	7.32	14.94	7.32	7.62	3.72	10.26	9.841E-06	.005	.004	5.074E-09	[illegible].45	.70	.50	.014
46	30.0	7.36	14.98	7.36	7.62	2.37	10.28	2.470E-05	.013	.010	3.201E-08	[illegible].47	.70	.50	.034
47	30.0	7.35	14.97	7.35	7.62	1.16	10.27	1.271E-04	.068	.050	8.459E-07	[illegible].44	.70	.50	.175

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

HEAT TEST (92), MDAC-E RSI GAPS, RUN (47) 1973 PAGE 186

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	30.0	7.26	14.88	7.26	7.62	.33	10.23	3.113E-04	.167	.123	5.870E-06	9.46	.70	.50	.431
49	30.0	7.27	14.89	7.27	7.30	0.00	9.96	7.335E-04	.388	.298	2.773E-05	9.57	.70	.50	
50	30.0	7.33	14.95	7.33	3.69	0.00	6.86	1.415E-03	.633	.559	8.731E-05	10.64	.77	.50	
51	30.0	7.40	15.02	7.40	0.00	0.00	3.78	1.598E-03	.697	.671	1.153E-04	11.31	.82	.50	
52	30.0	7.58	15.20	7.58	-3.58	0.00	.69	2.353E-03	.935	.930	2.144E-04	11.55	.83	.50	
53	30.0	7.16	14.78	7.16	-7.24	0.00	-2.69	3.096E-03	1.252	1.223	3.776E-04	11.37	.82	.50	
54	30.0	7.26	14.88	7.26	-7.62	.31	-2.97	1.993E-03	.811	.787	1.574E-04	11.34	.82	.50	.647
55	30.0	7.30	14.92	7.30	-7.62	1.11	-2.95	1.918E-04	.078	.076	1.457E-06	11.34	.82	.50	.062
56	30.0	7.25	14.87	7.25	-7.62	2.32	-2.97	8.946E-06	.004	.004	3.173E-09	11.34	.82	.50	.003
57	30.0	7.26	14.88	7.26	-7.62	3.78	-2.97	1.958E-05	.008	.008	1.519E-08	11.34	.82	.50	.006
58	30.0	7.24	14.86	7.24	-7.62	4.97	-2.98	2.316E-05	.009	.009	2.127E-08	11.33	.82	.50	.008
59	30.0	7.25	14.87	7.25	-7.62	5.62	-2.97	2.629E-05	.011	.010	2.740E-08	11.34	.82	.50	.009
60	30.0	7.88	15.24	7.62	7.14	.27	10.00	3.208E-04	.170	.126	5.289E-06	9.55	.70	.50	.437
61	30.0	8.75	15.24	7.62	7.35	1.17	10.17	1.433E-04	.077	.057	1.071E-06	9.48	.70	.50	.198
62	30.0	9.92	15.24	7.62	7.13	2.34	9.98	3.468E-05	.018	.014	6.177E-08	9.56	.70	.50	.047
63	30.0	11.29	15.24	7.62	7.19	3.71	10.04	1.278E-05	.007	.005	8.355E-09	9.54	.70	.50	.017
64	30.0	12.60	15.24	7.62	7.14	5.02	9.99	1.279E-05	.007	.005	8.446E-09	9.56	.70	.50	.017
65	30.0	13.22	15.24	7.62	7.14	5.63	9.99	5.047E-06	.003	.002	1.315E-09	9.56	.70	.50	.007
66	30.0	7.98	15.24	7.62	3.44	.36	6.79	6.529E-04	.292	.258	1.856E-05	10.66	.77	.50	.460
67	30.0	8.81	15.24	7.62	3.44	1.19	6.79	1.856E-04	.083	.073	1.499E-06	10.66	.77	.50	.131
68	30.0	10.06	15.24	7.62	3.45	2.44	6.80	3.333E-05	.014	.012	4.805E-08	10.66	.77	.50	.021
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	1.379E-05	.006	.005	8.291E-09	10.64	.77	.50	.010
70	30.0	12.65	15.24	7.62	3.46	5.04	6.81	5.819E-07	.000	.000	1.475E-11	10.65	.77	.50	.000
71	30.0	13.42	15.24	7.62	3.40	5.81	6.76	9.237E-06	.004	.004	3.709E-09	10.67	.77	.50	.007
72	30.0	8.07	15.24	7.62	0.00	.38	3.81	2.538E-06	.001	.001	2.564E-10	11.29	.81	.50	.001
73	30.0	8.95	15.24	7.62	0.00	1.15	3.81	2.071E-04	.085	.062	1.718E-06	11.29	.81	.50	.122
74	30.0	10.07	15.24	7.62	0.00	2.37	3.81	2.758E-05	.011	.011	3.868E-08	11.29	.81	.50	.016
75	30.0	11.40	15.24	7.62	0.00	3.70	3.81	1.817E-05	.007	.007	1.321E-08	11.29	.81	.50	.011
76	30.0	12.69	15.24	7.62	0.00	4.99	3.81	1.018E-05	.004	.004	4.150E-09	11.29	.81	.50	.006
77	30.0	13.43	15.24	7.62	0.00	5.74	3.81	9.360E-06	.004	.004	3.508E-09	11.29	.81	.50	.006
78	30.0	8.04	15.24	7.62	-3.59	.38	.70	1.080E-03	.429	.427	4.515E-05	11.55	.83	.50	.459
79	30.0	8.82	15.24	7.62	-3.63	1.17	.67	2.025E-04	.080	.080	1.587E-06	11.56	.83	.50	.086
80	30.0	10.07	15.24	7.62	-3.68	2.42	.69	8.546E-06	.003	.003	2.827E-09	11.55	.83	.50	.004
81	30.0	11.41	15.24	7.62	-3.55	3.76	.73	1.984E-05	.008	.008	1.525E-08	11.55	.83	.50	.008
82	30.0	12.73	15.24	7.62	-3.58	5.08	.71	1.852E-05	.004	.004	4.288E-09	11.55	.83	.50	.004
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	2.858E-05	.008	.008	1.639E-08	11.56	.83	.50	.009
84	30.0	7.80	15.24	7.62	-7.33	.31	-2.54	1.787E-03	.728	.706	1.254E-04	11.39	.82	.50	.575
85	30.0	8.58	15.24	7.62	-7.36	1.09	-2.56	1.817E-04	.073	.072	1.297E-06	11.39	.82	.50	.059
86	30.0	9.86	15.24	7.62	-7.36	2.36	-2.56	2.555E-05	.010	.010	2.565E-08	11.39	.82	.50	.008
87	30.0	11.23	15.24	7.62	-7.33	3.74	-2.54	2.542E-05	.010	.010	2.537E-08	11.39	.82	.50	.008
89	30.0	12.52	15.24	7.62	-7.33	5.03	-2.54	1.788E-05	.007	.007	1.245E-08	11.39	.82	.50	.006
99	30.0	13.16	15.24	7.62	-7.35	5.66	-2.56	6.442E-06	.003	.003	1.638E-09	11.39	.82	.50	.002

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

DEHT TEST (92), MDAC-E RSI GAPS, RUN (48) 1973 PAGE 113

MACH = 10.290
PX E06 = 5.948E-01
PL EPS = 8.322E-02
RE/METER = 3.276E+06
HC = 2.554E+00(N/M2- K)
TW = 299.5 (K)
STEP = .254(CM)

TT = 1.001E+03(K)
PI = 5.178E+06(N/M2)
T1 = 4.714E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.031E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =1.00F FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.70	0.00	1.281E-05	.005	.005	6.317E-09	11.56	.83	.50	.008
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	2.788E-05	.011	.011	2.993E-08	11.56	.83	.50	.018
11	90.0	11.34	7.62	0.00	7.62	3.74	0.00	1.543E-05	.006	.006	1.040E-08	11.56	.83	.50	.011
12	90.0	10.05	7.62	0.00	7.6.	2.36	0.00	4.895E-05	.019	.019	9.227E-08	11.56	.83	.50	.032
13	90.0	8.83	7.62	0.00	7.62	1.14	0.00	1.477E-04	.058	.058	8.406E-07	11.56	.83	.50	.097
14	90.0	8.02	7.62	0.00	7.62	.33	0.00	3.894E-04	.154	.154	5.841E-06	11.56	.83	.50	.256
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.521E-03	.601	.601	8.915E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	2.986E-03	1.180	1.180	3.433E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.179E-03	1.256	1.256	3.892E-04	11.56	.83	.50	
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	3.342E-03	1.320	1.320	4.308E-04	11.56	.83	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	4.242E-03	1.676	1.676	6.930E-04	11.56	.83	.50	
20															
21	90.0	-9.72	7.62	0.00	-7.62	1.17	0.00	6.739E-04	.266	.266	1.749E-05	11.56	.83	.50	.159
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	1.476E-04	.058	.058	8.389E-07	11.56	.83	.50	.035
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	4.576E-05	.018	.018	8.064E-08	11.56	.83	.50	.011
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	2.304E-05	.009	.009	2.044E-08	11.56	.83	.50	.005
25	90.0	-13.29	7.62	0.00	-7.62	5.73	0.00	2.840E-05	.011	.011	3.106E-08	11.56	.83	.50	.007
26	90.0	13.35	3.86	-3.76	7.62	5.70	-3.76	1.461E-05	.006	.006	8.603E-09	11.21	.81	.50	.009
27															
28	90.0	11.36	3.86	-3.76	7.62	3.72	-3.76	1.202E-05	.005	.005	5.829E-09	11.21	.81	.50	.007
29	90.0	10.09	3.81	-3.81	7.62	2.44	-3.81	2.962E-05	.012	.012	3.548E-08	11.20	.81	.50	.018
30	90.0	8.80	3.79	-3.83	7.62	1.16	-3.83	1.511E-04	.063	.060	9.220E-07	11.20	.81	.50	.093
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	4.993E-04	.207	.197	1.809E-05	11.20	.81	.50	.309
32	90.0	7.24	3.93	-3.79	7.24	0.00	-3.79	1.623E-03	.672	.641	1.062E-04	11.21	.81	.50	
33	90.0	3.71	3.70	-3.92	3.71	0.00	-3.92	2.772E-03	1.153	1.095	3.115E-04	11.19	.81	.50	
34	90.0	0.00	3.67	-3.95	0.00	0.00	-3.95	3.038E-03	1.265	1.200	3.746E-04	11.18	.81	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.89	3.739E-03	1.554	1.478	5.662E-04	11.19	.81	.50	
36															
37	90.0	-7.97	3.93	-3.79	-7.62	.37	-3.79	5.853E-03	2.423	2.313	1.382E-03	11.21	.81	.50	.795
38	90.0	-8.75	3.88	-3.74	-7.62	1.15	-3.74	1.304E-03	.539	.515	6.849E-05	11.22	.81	.50	.177
39	90.0	-9.95	3.92	-3.90	-7.62	2.35	-3.88	2.821E-04	.117	.111	3.211E-06	11.21	.81	.50	.038
40	90.0	-11.22	3.92	-3.80	-7.62	3.62	-3.80	4.524E-05	.020	.019	9.390E-08	11.21	.81	.50	.007
41	90.0	-12.64	3.95	-3.67	-7.62	5.04	-3.67	8.261E-06	.003	.003	2.746E-09	11.23	.81	.50	.001
42															
43	90.0	13.37	.27	-7.35	7.62	5.70	-7.35	8.484E-07	.000	.000	3.405E-11	10.33	.75	.50	.000
44															
45	90.0	11.38	.30	-7.32	7.62	3.72	-7.32	2.214E-05	.011	.009	2.316E-08	10.34	.75	.50	.011
46	90.0	10.03	.26	-7.36	7.62	2.37	-7.36	2.947E-05	.014	.012	4.111E-08	10.33	.75	.50	.015
47	90.0	8.82	.27	-7.35	7.62	1.16	-7.35	2.225E-04	.108	.088	2.341E-06	10.33	.75	.50	.112

HEAT TEST (92), MOAC-E RSI GAPS, RUN (48) 1973 PAGE 114

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	90.0	7.39	.36	-7.26	7.62	.33	-7.26	9.072E-04	.438	.358	3.877E-05	10.36	.75	.50	.456
49	90.0	7.30	.33	-7.27	7.30	0.00	-7.27	1.990E-03	.962	.786	1.857E-04	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	2.935E-03	1.423	1.160	4.071E-04	10.33	.75	.50	
51	90.0	0.00	.22	-7.48	0.00	0.00	-7.48	2.887E-03	1.405	1.141	3.955E-04	10.31	.75	.50	
52	90.0	-3.58	.27	-7.35	-3.58	0.00	-7.35	3.298E-03	1.601	1.303	5.140E-04	10.33	.75	.50	
53															
54	90.0	-7.83	.36	-7.26	-7.62	.31	-7.26	5.746E-03	2.777	2.270	1.555E-03	10.36	.75	.50	.864
55	90.0	-8.69	.37	-7.34	-7.62	1.11	-7.38	1.587E-03	.768	.627	1.188E-04	10.34	.75	.50	.239
56	90.0	-9.93	.37	-7.25	-7.62	2.32	-7.25	3.079E-04	.149	.122	4.464E-06	10.36	.75	.50	.046
57	90.0	-11.28	.36	-7.26	-7.62	3.70	-7.26	4.427E-05	.021	.017	9.239E-08	10.36	.75	.50	.007
58	90.0	-12.55	.36	-7.26	-7.62	4.97	-7.24	8.432E-06	.004	.003	3.367E-09	10.36	.75	.50	.001
59	90.0	-13.28	.37	-7.25	-7.62	5.62	-7.25	4.947E-06	.002	.002	1.153E-09	10.36	.75	.50	.001
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	1.229E-03	.595	.486	7.242E-05	10.24	.74	.50	.628
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	2.473E-04	.122	.098	2.932E-06	10.24	.74	.50	.126
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	2.641E-05	.013	.010	3.345E-08	10.24	.74	.50	.014
63	90.0	7.19	0.00	-7.62	7.19	3.71	-7.62	1.852E-05	.009	.007	1.645E-08	10.24	.74	.50	.009
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	8.779E-06	.004	.003	3.696E-09	10.24	.74	.50	.004
65															
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	1.735E-03	.854	.686	1.444E-04	10.24	.74	.50	.688
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	1.942E-04	.096	.077	1.888E-06	10.24	.74	.50	.067
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	2.032E-05	.010	.008	1.981E-08	10.24	.74	.50	.007
69	90.0	3.53	0.00	-7.62	3.58	3.74	-7.62	1.127E-05	.006	.004	6.886E-09	10.24	.74	.50	.004
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	9.988E-07	.000	.000	4.784E-11	10.24	.74	.50	.000
71	90.0	3.40	0.00	-7.62	3.40	5.81	-7.62	5.678E-06	.003	.002	1.542E-09	10.24	.74	.50	.002
72															
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	1.681E-04	.083	.066	1.355E-06	10.24	.74	.50	.059
74	90.0	0.00	0.00	-7.62	0.00	2.37	-7.62	2.481E-05	.012	.010	2.952E-08	10.24	.74	.50	.009
75	90.0	0.00	0.00	-7.62	0.00	3.70	-7.62	2.381E-05	.012	.009	2.717E-08	10.24	.74	.50	.008
76	90.0	0.00	0.00	-7.62	0.00	4.99	-7.62	1.336E-05	.007	.005	8.558E-09	10.24	.74	.50	.005
77	90.0	0.00	0.00	-7.62	0.00	5.74	-7.62	1.351E-05	.007	.005	8.746E-09	10.24	.74	.50	.005
78	90.0	-3.59	0.00	-7.62	-3.59	.38	-7.62	1.899E-03	.934	.750	1.729E-04	10.24	.74	.50	.583
79	90.0	-3.63	0.00	-7.62	-3.63	1.17	-7.62	2.534E-04	.130	.104	3.327E-06	10.24	.74	.50	.081
80	90.0	-3.60	0.00	-7.62	-3.60	2.42	-7.62	2.970E-05	.015	.012	4.229E-08	10.24	.74	.50	.009
81	90.0	-3.55	0.00	-7.62	-3.55	3.76	-7.62	2.419E-05	.012	.010	2.805E-08	10.24	.74	.50	.007
82	90.0	-3.58	0.00	-7.62	-3.58	5.08	-7.62	1.465E-05	.007	.006	1.029E-08	10.24	.74	.50	.005
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	2.143E-06	.001	.001	2.283E-10	10.24	.74	.50	.001
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	4.938E-03	2.426	1.948	1.165E-03	10.24	.74	.50	.755
85	90.0	-7.36	0.00	-7.62	-7.36	1.09	-7.62	1.055E-03	.519	.417	5.333E-05	10.24	.74	.50	.162
86	90.0	-7.36	0.00	-7.62	-7.36	2.36	-7.62	2.269E-04	.115	.090	2.512E-06	10.24	.74	.50	.035
87	90.0	-7.33	0.00	-7.62	-7.33	3.74	-7.62	4.594E-05	.023	.018	1.012E-07	10.24	.74	.50	.007
88	90.0	-7.33	0.00	-7.62	-7.33	5.03	-7.62	1.851E-05	.009	.004	5.402E-09	10.24	.74	.50	.002
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (49) 1973 PAGE 115

MACH = 10.290
RX E06 = 5.876E-01
RL E06 = 9.305E-02
REYNOLDS = 3.270E+06
HO = 2.554E+00(W/M2- K)
TW = 299.5 (K)
STEP = .254(CM)

TT = 1.062E+03(K)
PI = 5.177E+06(N/M2)
TI = 4.719E+01(K)
PI = 0.983E+02(N/M2)
(RHO V)I = 1.030E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	13.39	7.62	0.00	7.62	5.70	.99	1.522E-05	.006	.006	9.801E-09	11.55	.83	.50	.010
10	82.5	12.72	7.62	0.00	7.62	5.03	.99	1.942E-05	.008	.008	1.465E-08	11.55	.83	.50	.013
11	82.5	11.34	7.62	0.00	7.62	3.74	.99	1.397E-05	.006	.006	7.586E-09	11.55	.83	.50	.009
12	82.5	10.05	7.62	0.00	7.62	2.36	.99	5.188E-05	.021	.021	1.046E-07	11.55	.83	.50	.035
13	82.5	9.83	7.62	0.00	7.62	1.14	.99	1.561E-04	.062	.062	9.470E-07	11.55	.83	.50	.105
14	82.5	8.02	7.62	0.00	7.62	.33	.99	4.805E-04	.189	.188	6.231E-06	11.55	.83	.50	.270
15	82.5	7.29	7.62	0.00	7.29	0.00	.95	1.485E-03	.591	.587	8.562E-05	11.55	.83	.50	
16	82.5	3.63	7.62	0.00	3.63	0.00	.47	2.996E-03	1.188	1.184	3.473E-04	11.56	.83	.50	
17	82.5	3.00	7.62	0.00	0.00	0.00	0.00	3.328E-03	1.315	1.315	4.278E-04	11.56	.83	.50	
18	82.5	-3.54	7.62	0.00	-3.54	0.00	-.46	3.717E-03	1.474	1.469	5.343E-04	11.55	.83	.50	
19	82.5	-7.27	7.62	0.00	-7.27	0.00	-.95	5.710E-03	2.273	2.256	1.266E-03	11.53	.83	.50	
20															
21	82.5	-8.72	7.62	0.00	-7.62	1.17	-.99	8.523E-04	.343	.341	2.888E-05	11.52	.83	.50	.151
22	82.5	-9.94	7.62	0.00	-7.62	2.39	-.99	1.174E-04	.047	.046	5.355E-07	11.52	.83	.50	.021
23	82.5	-11.25	7.62	0.00	-7.62	3.78	-.99	4.582E-05	.819	.818	8.515E-08	11.52	.83	.50	.008
24	82.5	-12.62	7.62	0.00	-7.62	5.07	-.99	2.582E-05	.010	.010	2.589E-08	11.52	.83	.50	.005
25	82.5	-13.28	7.62	0.00	-7.62	5.73	-.99	1.979E-05	.008	.008	1.521E-08	11.52	.83	.50	.003
26	82.5	13.35	3.86	-3.76	7.62	5.70	-2.74	3.013E-06	.001	.001	3.585E-10	11.37	.82	.50	.002
27	82.5	12.68	3.82	-3.80	7.62	5.04	-2.78	1.436E-05	.006	.006	8.146E-09	11.36	.82	.50	.008
28	82.5	11.35	3.86	-3.76	7.62	3.72	-2.73	1.655E-05	.007	.007	1.081E-08	11.37	.82	.50	.009
29	82.5	10.03	3.81	-3.81	7.62	2.44	-2.79	3.164E-05	.013	.013	3.956E-08	11.36	.82	.50	.018
30	82.5	8.81	3.79	-3.83	7.62	1.16	-2.80	1.440E-04	.058	.057	8.197E-07	11.36	.82	.50	.080
31	82.5	7.97	3.75	-3.87	7.62	.33	-2.84	5.945E-04	.241	.235	1.399E-05	11.35	.82	.50	.331
32	82.5	7.24	3.83	-3.79	7.24	0.00	-2.81	1.799E-03	.729	.711	1.208E-04	11.36	.82	.50	
33	82.5	3.71	3.79	-3.92	3.71	0.00	-3.40	2.951E-03	1.212	1.166	3.488E-04	11.27	.81	.50	
34	82.5	0.00	3.67	-3.95	0.00	0.00	-3.92	3.116E-03	1.296	1.231	3.940E-04	11.19	.81	.50	
35	82.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.532E-03	1.536	1.435	5.443E-04	11.11	.80	.50	
36	82.5	-7.28	3.89	-3.74	-7.28	0.00	-4.66	6.830E-03	2.928	2.699	1.951E-03	11.04	.80	.50	
37	82.5	-7.97	3.83	-3.79	-7.62	.37	-4.75	5.340E-03	2.297	2.110	1.196E-03	11.02	.80	.50	.765
38	82.5	-8.75	3.88	-3.74	-7.62	1.15	-4.70	1.202E-03	.516	.475	6.054E-05	11.03	.80	.50	.176
39	82.5	-9.95	3.82	-3.80	-7.62	2.35	-4.76	2.368E-04	.102	.094	2.353E-06	11.02	.80	.50	.035
40	82.5	-11.22	3.82	-3.80	-7.62	3.62	-4.76	3.213E-05	.014	.013	4.334E-08	11.02	.80	.50	.005
+1	82.5	-12.64	3.95	-3.67	-7.62	5.04	-4.63	1.375E-05	.006	.005	7.891E-09	11.05	.80	.50	.002
+2	82.5	-13.28	4.00	-3.62	-7.62	5.68	-4.58	2.972E-06	.001	.001	3.682E-10	11.06	.80	.50	.000
+3															
44	82.5	12.57	.29	-7.33	7.62	4.91	-6.27	1.047E-05	.005	.004	4.918E-09	10.65	.77	.50	.003
+5	82.5	11.33	.31	-7.32	7.62	3.72	-6.26	1.822E-05	.009	.007	1.489E-08	10.65	.77	.50	.006
+6	82.5	10.03	.26	-7.36	7.62	2.37	-6.30	3.934E-05	.018	.016	6.953E-08	10.64	.77	.50	.013

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (49) 1973 PAGE 116

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
47	82.5	8.92	.27	-7.35	7.62	1.16	-6.29	3.481E-04	.160	.138	5.442E-06	10.65	.77	.50	.115
48	82.5	7.99	.36	-7.26	7.62	.33	-6.21	1.536E-03	.705	.607	1.856E-04	10.67	.77	.50	.586
49	82.5	7.70	.35	-7.27	7.30	0.00	-6.25	3.029E-03	1.392	1.197	4.113E-04	10.66	.77	.50	
50	82.5	3.69	.29	-7.33	3.69	0.00	-6.78	3.865E-03	1.824	1.527	6.876E-04	10.50	.76	.50	
51	82.5	0.00	.22	-7.40	0.00	0.00	-7.34	3.380E-03	1.640	1.336	5.407E-04	10.33	.75	.50	
52	82.5	-3.58	.27	-7.35	-3.58	0.00	-7.76	3.536E-03	1.883	1.437	6.395E-04	10.19	.74	.50	
53															
54	82.5	-7.89	.36	-7.26	-7.62	.31	-8.19	5.082E-03	2.586	2.008	1.282E-03	10.04	.73	.50	.850
55	82.5	-8.69	.32	-7.30	-7.62	1.11	-8.23	1.340E-03	.683	.530	8.935E-05	10.03	.73	.50	.225
56	82.5	-9.90	.37	-7.25	-7.62	2.32	-8.19	2.361E-04	.130	.101	3.254E-06	10.04	.73	.50	.043
57	82.5	-11.26	.36	-7.26	-7.62	3.70	-8.19	3.965E-05	.020	.016	7.884E-08	10.04	.73	.50	.007
58	82.5	-12.55	.38	-7.24	-7.62	4.97	-8.18	8.267E-06	.004	.003	3.389E-09	10.05	.73	.50	.001
59	82.5	-13.20	.37	-7.25	-7.62	5.62	-8.18	1.581E-06	.001	.001	1.248E-10	10.04	.73	.50	.000
60	82.5	7.14	3.00	-7.62	7.14	.27	-6.62	2.119E-03	.992	.837	2.850E-04	10.55	.76	.50	.712
61	82.5	7.35	0.00	-7.62	7.35	1.17	-6.60	3.984E-04	.186	.157	7.235E-06	10.56	.77	.50	.134
62	82.5	7.13	0.00	-7.62	7.13	2.34	-6.62	3.888E-05	.018	.015	6.873E-08	10.55	.76	.50	.013
63	82.5	7.19	0.00	-7.62	7.19	3.71	-6.62	4.341E-06	.002	.002	8.601E-10	10.55	.76	.50	.001
64	82.5	7.14	0.00	-7.62	7.14	5.02	-6.62	1.359E-05	.006	.005	8.433E-09	10.55	.76	.50	.005
65	82.5	7.14	0.00	-7.62	7.14	5.63	-6.62	2.036E-06	.001	.001	1.893E-10	10.55	.76	.50	.001
66	82.5	3.44	0.00	-7.62	3.44	.36	-7.11	2.628E-03	1.256	1.035	3.211E-04	10.40	.76	.50	.689
67	82.5	3.44	0.00	-7.62	3.44	1.19	-7.11	3.059E-04	.147	.121	4.379E-06	10.40	.76	.50	.000
68	82.5	3.45	0.00	-7.62	3.45	2.44	-7.10	2.480E-05	.012	.010	2.830E-08	10.40	.76	.50	.006
69	82.5	3.50	0.00	-7.62	3.50	3.74	-7.10	1.375E-05	.007	.005	8.845E-09	10.41	.76	.50	.004
70	82.5	3.46	0.00	-7.62	3.46	5.04	-7.10	4.430E-14	.000	.000	9.102E-26	10.41	.76	.50	.000
71	82.5	3.40	0.00	-7.62	3.40	5.81	-7.11	1.044E-05	.005	.004	5.185E-09	10.40	.76	.50	.003
72	82.5	0.00	0.00	-7.62	0.00	.38	-7.55	4.267E-06	.002	.002	8.789E-10	10.26	.75	.50	.001
73	82.5	0.00	0.00	-7.62	0.00	1.15	-7.55	2.135E-04	.105	.084	2.181E-06	10.26	.75	.50	.064
74	82.5	0.00	0.00	-7.62	0.00	2.37	-7.55	7.384E-06	.004	.003	2.552E-09	10.26	.75	.50	.002
75	82.5	0.00	0.00	-7.62	0.00	3.70	-7.55	1.651E-05	.008	.007	1.304E-08	10.26	.75	.50	.005
76	82.5	0.00	0.00	-7.62	0.00	4.99	-7.55	1.166E-05	.006	.005	6.508E-09	10.26	.75	.50	.003
77	82.5	0.00	0.00	-7.62	0.00	5.74	-7.55	1.912E-05	.009	.008	1.748E-08	10.26	.75	.50	.006
78	82.5	-3.59	0.00	-7.62	-3.59	.33	-8.02	2.210E-03	1.114	.873	2.401E-04	10.18	.74	.50	.618
79	82.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	3.138E-04	.158	.124	4.816E-06	10.18	.74	.50	.087
80	82.5	-3.60	0.00	-7.62	-3.60	2.42	-8.02	1.313E-05	.007	.005	8.477E-09	10.18	.74	.50	.004
81	82.5	-3.55	0.00	-7.62	-3.55	3.76	-8.02	1.954E-05	.010	.008	1.876E-08	10.18	.74	.50	.005
82	82.5	-3.58	0.00	-7.62	-3.58	5.08	-8.02	1.572E-05	.008	.007	1.373E-08	10.18	.74	.50	.005
83	82.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	7.782E-06	.004	.003	2.977E-09	10.18	.74	.50	.002
84	82.5	-7.33	0.00	-7.62	-7.33	.31	-8.51	4.446E-03	2.303	1.757	9.989E-04	9.92	.72	.50	.758
85	82.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	8.468E-04	.439	.335	3.625E-05	9.92	.72	.50	.144
86	82.5	-7.36	0.00	-7.62	-7.36	2.36	-8.52	1.748E-04	.090	.069	1.531E-06	9.92	.72	.50	.030
87	82.5	-7.33	0.00	-7.62	-7.33	3.74	-8.51	3.931E-05	.020	.016	7.811E-08	9.92	.72	.50	.007
88	82.5	-7.33	0.00	-7.62	-7.33	5.03	-8.51	1.210E-05	.006	.005	7.480E-09	9.92	.72	.50	.002
89	82.5	-7.35	0.00	-7.62	-7.35	5.66	-8.51	1.861E-05	.010	.007	1.751E-08	9.92	.72	.50	.003

OFHT TEST (92), MODIFIED RSI GAPS, RUN (50) 1973 PAGE 117

MACH = 10.290
PX FOR = 5.823E-01
RL EQR = 8.286E-02
PE/METER = 3.262E+06
HO = 2.554E+08 (W/M2- K)
TW = 299.4 (K)
STEP = .254(CM)

TT = 1.083E+03(K)
PI = 5.176 E+06(N/M2)
T1 = 4.724E+01(K)
P1 = 0.983E+02(N/M2)
(RHO V)1 = 1.029E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	13.39	7.62	0.00	7.62	5.70	1.97	1.572E-05	.006	.006	9.682E-09	11.50	.83	.50	.011
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	1.345E-05	.008	.008	1.482E-08	11.50	.83	.50	.013
11	75.0	11.34	7.62	0.00	7.62	3.74	1.97	1.693E-05	.007	.007	1.122E-08	11.50	.83	.50	.011
12	75.0	10.05	7.62	0.00	7.62	2.36	1.97	2.281E-05	.009	.009	2.039E-08	11.50	.83	.50	.015
13	75.0	9.43	7.62	0.00	7.62	1.14	1.97	1.703E-04	.068	.067	1.137E-06	11.50	.83	.50	.115
14	75.0	8.02	7.62	0.00	7.62	.33	1.97	4.225E-04	.170	.167	6.992E-06	11.50	.83	.50	.285
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.482E-03	.594	.586	8.599E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	2.967E-03	1.181	1.172	3.421E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.306E-03	1.307	1.307	4.218E-04	11.56	.83	.50	
18	75.0	-3.64	7.62	0.00	-3.54	0.00	-.92	3.813E-03	1.514	1.503	5.621E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	.299E-03	2.927	2.884	2.886E-03	11.46	.82	.50	
20															
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	1.378E-03	.553	.544	7.436E-05	11.45	.82	.50	.189
22	75.0	-9.94	7.62	0.00	-7.62	2.39	-1.97	2.040E-04	.082	.081	1.630E-06	11.45	.82	.50	.028
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	4.755E-05	.019	.019	8.859E-08	11.45	.82	.50	.007
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	2.857E-05	.012	.011	3.220E-08	11.45	.82	.50	.004
25	75.0	-13.29	7.62	0.00	-7.62	5.73	-1.97	1.801E-05	.007	.007	1.271E-08	11.45	.82	.50	.002
26															
27	75.0	12.69	3.82	-3.80	7.62	5.04	-1.70	1.528E-05	.006	.006	9.034E-09	11.48	.83	.50	.007
28	75.0	11.35	3.86	-3.76	7.62	3.72	-1.66	2.744E-06	.001	.001	2.942E-10	11.48	.83	.50	.001
29	75.0	10.08	3.81	-3.81	7.62	2.44	-1.71	4.367E-05	.016	.016	6.467E-08	11.48	.83	.50	.020
30	75.0	8.93	3.79	-3.83	7.62	1.16	-1.73	1.567E-04	.059	.058	8.417E-07	11.47	.82	.50	.072
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	7.119E-04	.285	.281	1.983E-05	11.47	.82	.50	.349
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.042E-03	.818	.807	1.631E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	3.088E-03	1.252	1.220	3.775E-04	11.35	.82	.50	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	3.086E-03	1.278	1.219	3.852E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	3.484E-03	1.495	1.377	5.086E-04	11.04	.80	.50	
36	75.0	-7.23	3.88	-3.74	-7.28	0.00	-5.50	6.465E-03	2.873	2.555	1.813E-03	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	4.991E-03	2.231	1.972	1.087E-03	10.82	.78	.50	.777
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	1.122E-03	.500	.443	5.481E-05	10.83	.78	.50	.174
39	75.0	-9.36	3.82	-3.80	-7.62	2.35	-5.64	2.587E-04	.116	.102	2.922E-06	10.82	.78	.50	.040
40	75.0	-11.22	3.82	-3.80	-7.62	3.62	-5.64	3.284E-05	.015	.013	4.710E-08	10.82	.78	.50	.005
41	75.0	-12.64	3.95	-3.67	-7.62	5.04	-5.51	1.229E-05	.005	.005	6.554E-09	10.85	.78	.50	.002
42															
43															
44	75.0	12.57	.29	-7.33	7.62	4.91	-5.10	1.099E-05	.005	.004	5.148E-09	10.95	.79	.50	.003
45	75.0	11.39	.30	-7.32	7.62	3.72	-5.09	1.433E-05	.006	.006	8.747E-09	10.95	.79	.50	.003
46	75.0	10.13	.26	-7.36	7.62	2.37	-5.13	6.537E-05	.029	.026	1.823E-07	10.94	.79	.50	.016

CFHT TEST (92), MDAC-E RSI GAPS, RUN (50) 1973 PAGE 118

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	75.0	8.82	.27	-7.35	7.62	1.16	-5.12	4.898E-04	.214	.194	1.023E-05	10.94	.79	.50	.119
48	75.0	7.99	.36	-7.26	7.62	.33	-5.84	2.227E-03	.969	.888	2.106E-04	10.96	.79	.50	.537
49	75.0	7.30	.35	-7.27	7.30	0.00	-5.13	4.129E-03	1.804	1.631	7.271E-04	10.94	.79	.50	
50	75.0	3.69	.29	-7.33	3.69	0.00	-6.12	4.872E-03	2.226	1.925	1.059E-03	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	3.730E-03	1.793	1.474	6.538E-04	10.39	.75	.50	
52	75.0	-3.59	.27	-7.35	-3.58	0.00	-8.03	3.779E-03	1.904	1.493	7.025E-04	10.18	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	0.00	-8.79	5.544E-03	2.918	2.191	1.579E-03	9.82	.72	.50	
54	75.0	-7.89	.36	-7.26	-7.62	.31	-8.99	4.556E-03	2.429	1.804	1.083E-03	9.74	.71	.50	.833
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-9.82	1.129E-03	.602	.446	6.633E-05	9.73	.71	.50	.206
56	75.0	-9.90	.37	-7.25	-7.62	2.32	-8.98	2.856E-04	.189	.081	2.196E-06	9.74	.71	.50	.037
57	75.0	-11.28	.36	-7.26	-7.62	3.70	-8.98	1.483E-05	.008	.006	1.142E-08	9.74	.71	.50	.003
58	75.0	-12.55	.38	-7.24	-7.62	4.97	-8.97	6.424E-06	.003	.003	2.141E-09	9.75	.71	.50	.001
59	75.0	-13.20	.37	-7.25	-7.62	5.62	-8.98	1.537E-06	.001	.001	1.226E-10	9.75	.71	.50	.000
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	3.867E-03	1.364	1.212	4.804E-04	10.85	.78	.50	.756
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	6.142E-04	.272	.243	1.634E-05	10.86	.78	.50	.151
62	75.0	7.13	0.00	-7.62	7.13	2.34	-5.52	3.642E-05	.016	.014	5.760E-08	10.85	.78	.50	.009
63	75.0	7.19	0.00	-7.62	7.19	3.71	-5.50	1.952E-05	.009	.008	1.671E-08	10.85	.78	.50	.005
64	75.0	7.14	0.00	-7.62	7.14	5.02	-5.51	1.242E-05	.006	.005	6.697E-09	10.85	.78	.50	.003
65	75.0	7.14	0.00	-7.62	7.14	5.63	-5.51	1.069E-06	.000	.000	4.957E-11	10.85	.78	.50	.000
66	75.0	3.44	0.00	-7.62	3.44	.36	-6.47	3.577E-03	1.661	1.413	5.881E-04	10.60	.77	.50	.746
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	4.723E-04	.219	.187	1.811E-05	10.60	.77	.50	.099
68	75.0	3.45	0.00	-7.62	3.45	2.44	-6.47	2.958E-06	.001	.001	3.966E-10	10.60	.77	.50	.001
69	75.0	3.50	0.00	-7.62	3.50	3.74	-6.45	2.773E-05	.013	.011	3.483E-08	10.60	.77	.50	.006
70	75.0	3.46	0.00	-7.62	3.46	5.04	-6.46	4.569E-14	.000	.000	9.461E-26	10.60	.77	.50	.000
71	75.0	3.40	0.00	-7.62	3.40	5.81	-6.48	2.302E-06	.001	.001	2.574E-10	10.59	.77	.50	.000
72	75.0	0.00	0.00	-7.62	0.00	.38	-7.36	5.425E-06	.003	.002	1.395E-09	10.32	.75	.50	.001
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	2.751E-04	.134	.109	3.615E-06	10.32	.75	.50	.075
74	75.0	0.00	0.00	-7.62	0.00	2.37	-7.36	3.122E-05	.015	.012	4.621E-08	10.32	.75	.50	.008
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	2.129E-05	.010	.008	2.158E-08	10.32	.75	.50	.006
76	75.0	0.00	0.00	-7.62	0.00	4.99	-7.36	1.463E-05	.007	.006	1.015E-08	10.32	.75	.50	.004
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	1.752E-05	.009	.007	1.456E-08	10.32	.75	.50	.005
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-8.29	2.340E-03	1.197	.925	2.734E-04	10.08	.73	.50	.629
79	75.0	-3.62	0.00	-7.62	-3.63	1.17	-8.30	3.143E-04	.161	.124	4.936E-06	10.08	.73	.50	.084
80	75.0	-3.60	0.00	-7.62	-3.60	2.42	-8.29	1.876E-05	.010	.007	1.759E-08	10.00	.73	.50	.005
81	75.0	-3.55	0.00	-7.62	-3.55	3.76	-8.28	2.284E-05	.011	.009	2.426E-08	10.01	.73	.50	.006
82	75.0	-3.58	0.00	-7.62	-3.58	5.08	-8.29	1.402E-05	.007	.006	9.811E-09	10.01	.73	.50	.004
83	75.0	-3.62	0.00	-7.62	-3.62	5.79	-8.30	1.098E-05	.006	.004	6.028E-09	10.00	.73	.50	.003
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	4.082E-03	2.205	1.613	8.786E-04	9.63	.71	.50	.756
85	75.0	-7.36	0.00	-7.62	-7.36	1.09	-9.26	6.926E-04	.369	.270	2.457E-05	9.63	.71	.50	.126
86	75.0	-7.36	0.00	-7.62	-7.36	2.36	-9.26	1.332E-04	.072	.053	9.360E-07	9.63	.71	.50	.025
87	75.0	-7.33	0.00	-7.62	-7.33	3.74	-9.26	3.358E-05	.018	.013	5.945E-08	9.63	.71	.50	.006
88	75.0	-7.33	0.00	-7.62	-7.33	5.03	-9.26	1.911E-05	.010	.008	1.925E-08	9.63	.71	.50	.004
89	75.0	-7.35	0.00	-7.62	-7.35	5.66	-9.26	1.149E-05	.006	.005	6.957E-09	9.63	.71	.50	.002

CEMT TEST (92), MDAC-E RSI GAPS, RUN (51) 1973 PAGE 119

MACH = 10.290
RX EQS = 5.427E-01
RL EQS = 8.292E-02
PERMETER = 3.265E+06
HO = 2.554E+03(W/M2- K)
TW = 298.1 (K)
STEP = .254(CM)

TT = 1.003E+03(K)
PI = 5.178E+06(N/M2)
T1 = 4.723E+01(K)
P1 = 0.983E+02(N/M2)
(RHO V)1 = 1.030E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HF (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.39	7.62	0.00	7.62	5.70	3.81	1.460E-05	.006	.006	6.546E-09	11.29	.81	.50	.009
10	60.0	12.72	7.62	0.00	7.62	5.03	3.81	2.801E-05	.012	.011	3.147E-08	11.29	.81	.50	.018
11	60.0	11.34	7.62	0.00	7.62	3.74	3.81	3.021E-05	.012	.012	3.659E-08	11.29	.81	.50	.019
12	60.0	10.05	7.62	0.00	7.62	2.36	3.81	4.937E-05	.020	.020	9.773E-08	11.29	.81	.50	.031
13	60.0	8.93	7.62	0.00	7.62	1.14	3.81	1.617E-04	.066	.064	1.049E-06	11.29	.81	.50	.102
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	5.875E-04	.241	.232	1.384E-05	11.29	.81	.50	.371
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.586E-03	.650	.627	1.007E-04	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.943E-03	1.179	1.163	3.386E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.268E-03	1.291	1.291	4.118E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.726E-03	1.493	1.472	5.429E-04	11.47	.82	.50	
19															
20	60.0	-7.97	7.62	0.00	-7.62	.41	-3.81	1.902E-06	.001	.001	1.462E-10	11.21	.81	.50	.000
21	60.0	-8.72	7.62	0.00	-7.62	1.17	-3.81	1.571E-03	.650	.621	9.989E-05	11.21	.81	.50	.203
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	2.573E-04	.107	.102	2.675E-06	11.21	.81	.50	.033
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	6.632E-05	.027	.026	1.770E-07	11.21	.81	.50	.009
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	2.759E-05	.011	.011	3.876E-08	11.21	.81	.50	.004
25	60.0	-13.28	7.62	0.00	-7.62	5.73	-3.81	2.704E-05	.011	.011	2.955E-08	11.21	.81	.50	.003
26	60.0	13.35	3.86	-3.76	7.62	5.78	.55	4.398E-06	.002	.002	7.463E-10	11.56	.83	.50	.002
27	60.0	12.68	3.82	-3.80	7.62	5.04	.52	1.795E-05	.007	.007	1.248E-08	11.56	.83	.50	.007
28	60.0	11.36	3.86	-3.76	7.62	3.72	.55	1.864E-05	.007	.007	1.346E-08	11.56	.83	.50	.008
29	60.0	10.09	3.81	-3.81	7.62	2.44	.51	3.421E-05	.014	.014	4.532E-08	11.56	.83	.50	.014
30	60.0	8.89	3.79	-3.83	7.62	1.16	.49	1.668E-04	.066	.066	1.077E-06	11.56	.83	.50	.067
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.032E-03	.409	.408	4.123E-05	11.56	.83	.50	.417
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.475E-03	.981	.978	2.368E-04	11.56	.83	.50	
33	60.0	3.71	3.70	-3.92	3.71	0.00	-1.54	3.328E-03	1.331	1.315	4.324E-04	11.49	.83	.50	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	3.112E-03	1.278	1.238	3.883E-04	11.27	.81	.50	
35	60.0	-3.53	3.73	-3.89	-3.59	0.00	-5.16	3.345E-03	1.464	1.322	4.778E-04	10.93	.79	.50	
36	60.0	-7.28	3.88	-3.74	-7.28	0.00	-6.88	5.978E-03	2.835	2.362	1.654E-03	10.47	.76	.50	
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	4.545E-03	2.179	1.796	9.663E-04	10.41	.76	.50	.768
38	60.0	-8.75	3.88	-3.74	-7.62	1.15	-7.05	1.069E-03	.511	.422	5.331E-05	10.42	.76	.50	.188
39	60.0	-9.95	3.82	-3.80	-7.62	2.35	-7.10	2.150E-04	.103	.085	2.162E-06	10.41	.76	.50	.036
40	60.0	-11.22	3.82	-3.80	-7.62	3.62	-7.10	4.565E-05	.022	.018	9.748E-08	10.41	.76	.50	.008
41	60.0	-12.64	3.95	-3.67	-7.62	5.04	-6.39	9.445E-06	.005	.004	4.151E-09	10.44	.76	.50	.002
42	60.0	-13.28	4.00	-3.62	-7.62	5.68	-6.94	1.302E-05	.006	.005	7.867E-09	10.45	.76	.50	.002
43	60.0	13.37	.27	-7.35	7.62	5.70	-2.55	2.021E-06	.001	.001	1.607E-10	11.39	.82	.50	.000
44	60.0	12.57	.29	-7.33	7.62	4.91	-2.53	7.219E-06	.003	.003	2.050E-09	11.39	.82	.50	.001
45	60.0	11.39	.30	-7.32	7.62	3.72	-2.53	2.629E-05	.011	.010	2.718E-08	11.39	.82	.50	.004
46	60.0	10.03	.28	-7.36	7.62	2.37	-2.56	1.074E-04	.043	.042	4.536E-07	11.39	.82	.50	.017

CF4T TEST (92), MDAC-E RSI GAPS, RUN (51) 1973 PAGE 120

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	8.82	.27	-7.35	7.62	1.15	-2.55	9.081E-04	.366	.359	3.244E-05	11.39	.82	.50	.147
48	60.0	7.99	.36	-7.26	7.62	.33	-2.48	3.593E-03	1.448	1.420	5.076E-04	11.40	.82	.50	.583
49	60.0	7.30	.35	-7.27	7.30	0.00	-2.64	6.147E-03	2.483	2.429	1.498E-03	11.38	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.00	-4.50	6.772E-03	2.885	2.676	1.905E-03	11.08	.80	.50	
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	4.060E-03	2.111	1.002	9.394E-04	10.61	.77	.50	
52	60.0	-3.58	.27	-7.35	-3.58	0.00	-8.16	3.739E-03	1.898	1.477	6.927E-04	10.05	.73	.50	
53	60.0	-7.24	.46	-7.16	-7.24	0.00	-9.82	4.546E-03	2.538	1.796	1.123E-03	9.40	.69	.50	
54	60.0	-7.89	.36	-7.26	-7.62	.31	-10.10	3.574E-03	2.018	1.412	7.838E-04	9.28	.68	.50	.798
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	7.212E-04	.408	.285	2.871E-05	9.26	.68	.50	.161
56	60.0	-9.99	.37	-7.25	-7.62	2.32	-10.09	1.845E-04	.059	.041	6.821E-07	9.28	.68	.50	.023
57	60.0	-11.29	.36	-7.26	-7.62	3.70	-10.10	2.479E-05	.014	.010	3.307E-08	9.28	.68	.50	.006
58	60.0	-12.55	.38	-7.24	-7.62	4.97	-10.08	1.714E-05	.010	.007	1.617E-08	9.29	.68	.50	.004
59	60.0	-13.20	.37	-7.25	-7.62	5.62	-10.09	3.851E-06	.002	.001	5.161E-10	9.28	.68	.50	.001
60	60.0	7.14	0.00	-7.62	7.14	.27	-3.83	4.747E-03	1.933	1.876	8.955E-04	11.33	.82	.50	.779
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	1.170E-03	.475	.462	5.427E-05	11.34	.82	.50	.191
62	60.0	7.13	0.00	-7.62	7.13	2.34	-3.04	9.705E-05	.040	.038	3.744E-07	11.33	.82	.50	.016
63	60.0	7.19	0.00	-7.62	7.19	3.71	-3.80	2.261E-05	.009	.009	1.924E-08	11.33	.82	.50	.004
64	60.0	7.14	0.00	-7.62	7.14	5.02	-3.03	2.084E-05	.008	.008	1.726E-08	11.33	.82	.50	.003
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	3.281E-06	.001	.001	4.279E-10	11.33	.82	.50	.001
66	60.0	3.44	0.00	-7.62	3.44	.36	-4.88	5.213E-03	2.254	2.068	1.146E-03	11.00	.79	.50	.781
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	8.775E-04	.379	.347	3.249E-05	11.08	.79	.50	.132
68	60.0	3.45	0.00	-7.62	3.45	2.44	-4.87	5.446E-05	.024	.022	1.251E-07	11.08	.79	.50	.008
69	60.0	3.50	0.00	-7.62	3.50	3.74	-4.85	2.244E-05	.010	.009	2.122E-08	11.00	.79	.50	.003
70															
71	60.0	3.40	0.00	-7.62	3.40	5.01	-4.90	8.359E-06	.004	.003	2.951E-09	10.99	.79	.50	.001
72	60.0	0.00	0.00	-7.62	0.00	.38	-6.60	1.854E-05	.005	.004	5.065E-09	10.56	.77	.50	.002
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	4.246E-04	.199	.168	8.226E-06	10.56	.77	.50	.094
74	60.0	0.00	0.00	-7.62	0.00	2.37	-6.60	2.063E-05	.010	.008	1.941E-08	10.56	.77	.50	.005
75	60.0	0.00	0.00	-7.62	0.00	3.78	-6.60	2.360E-05	.011	.009	2.542E-08	10.56	.77	.50	.005
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	1.596E-05	.007	.006	1.162E-08	10.56	.77	.50	.004
77	60.0	0.00	0.00	-7.62	0.00	5.74	-6.60	1.720E-05	.008	.007	1.358E-08	10.56	.77	.50	.004
78	60.0	-3.59	0.00	-7.62	-3.59	.38	-8.39	2.397E-03	1.234	.947	2.886E-04	9.97	.73	.50	.650
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	3.951E-04	.204	.156	7.849E-06	9.96	.73	.50	.107
80	60.0	-3.60	0.00	-7.62	-3.60	2.42	-8.40	9.331E-06	.005	.004	4.375E-09	9.96	.73	.50	.003
81	60.0	-3.55	0.00	-7.62	-3.55	3.76	-8.37	1.848E-05	.010	.007	1.714E-08	9.97	.73	.50	.005
82	60.0	-3.58	0.00	-7.62	-3.58	5.08	-8.39	1.392E-05	.007	.006	9.734E-09	9.97	.73	.50	.004
83	60.0	-3.62	0.00	-7.62	-3.62	5.79	-8.41	1.159E-05	.006	.005	6.872E-09	9.96	.73	.50	.003
84	60.0	-7.33	0.00	-7.62	-7.33	.31	-10.26	3.314E-03	1.687	1.309	6.184E-04	9.21	.68	.50	.746
85	60.0	-7.36	0.00	-7.62	-7.36	1.09	-10.28	4.132E-04	.236	.163	9.497E-06	9.20	.68	.50	.093
86	60.0	-7.36	0.00	-7.62	-7.36	2.36	-10.28	4.864E-05	.028	.019	1.316E-07	9.20	.68	.50	.011
87	60.0	-7.33	0.00	-7.62	-7.33	3.74	-10.26	1.515E-05	.009	.006	1.275E-08	9.21	.68	.50	.003
88	60.0	-7.33	0.00	-7.62	-7.33	5.03	-10.26	1.496E-05	.009	.006	1.240E-08	9.21	.68	.50	.003
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

CFHT TEST (92), MDAC-E PSI GAPS, RUN (52) 1973 PAGE 121

MACH = 10.290
PX E06 = 5.823E-01
PL E06 = 8.286E-02
PE/METER = 3.262E+06
HO = 2.554E+00(W/M2- K)
TW = 298.6 (K)
STEP = .254(CM)

TT = 1.003E+03(K)
PI = 5.179 E+06 (N/M2)
T1 = 4.726E+01(K)
P1 = 0.983E+02(N/M2)
(RHO V)1 = 1.023E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =1.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-"HK (CM)	SUB-L (CM)	HT/HE
9	45.0	13.39	7.62	0.00	7.62	5.70	5.39	9.950E-06	.004	.004	4.124E-09	11.00	.80	.50	.006
10	45.0	12.72	7.62	0.00	7.62	5.03	5.39	1.932E-05	.008	.008	1.554E-08	11.00	.80	.50	.011
11	45.0	11.74	7.62	0.00	7.62	3.74	5.39	8.765E-06	.004	.003	3.201E-09	11.00	.80	.50	.005
12	45.0	10.05	7.62	0.00	7.62	2.36	5.39	3.491E-05	.015	.014	5.078E-08	11.00	.80	.50	.020
13	45.0	8.83	7.62	0.00	7.62	1.14	5.39	1.315E-04	.056	.052	7.289E-07	11.38	.80	.50	.074
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	7.049E-04	.301	.279	2.070E-05	11.00	.80	.5	.396
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.794E-03	.760	.709	1.331E-04	11.05	.80	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.911E-03	1.174	1.150	3.334E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.124E-03	1.234	1.234	3.764E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.538E-03	1.426	1.398	4.922E-04	11.40	.82	.50	
19															
20	45.0	-7.97	7.62	0.00	-7.62	.41	-5.39	9.221E-06	.004	.004	3.669E-09	10.88	.79	.50	.001
21	45.0	-8.72	7.62	0.00	-7.62	1.17	-5.39	1.249E-03	.552	.493	6.730E-05	10.88	.79	.50	.181
22	45.0	-9.94	7.62	0.00	-7.62	2.39	-5.39	1.708E-04	.076	.067	1.259E-06	10.88	.79	.50	.025
23	45.0	-11.25	7.62	0.00	-7.62	3.70	-5.39	4.792E-05	.021	.019	9.908E-08	10.88	.79	.50	.007
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	2.457E-05	.011	.010	2.605E-08	10.88	.79	.50	.004
25	45.0	-13.28	7.62	0.00	-7.62	5.73	-5.39	2.096E-05	.009	.008	1.884E-08	10.88	.79	.50	.003
26	45.0	13.35	3.86	-3.76	7.62	5.70	2.73	7.289E-06	.003	.003	2.096E-09	11.43	.82	.50	.003
27	45.0	12.68	3.82	-3.80	7.62	5.04	2.70	4.859E-06	.002	.002	9.310E-10	11.43	.82	.50	.002
28	45.0	11.35	3.86	-3.76	7.62	3.72	2.73	2.301E-05	.009	.009	2.090E-09	11.43	.82	.50	.008
29	45.0	10.09	3.81	-3.81	7.62	2.44	2.69	2.547E-05	.010	.010	2.559E-08	11.43	.82	.50	.009
30	45.0	8.80	3.73	-3.83	7.62	1.15	2.68	1.546E-04	.066	.065	1.068E-06	11.44	.82	.50	.057
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.238E-03	.500	.439	6.036E-05	11.44	.82	.50	.429
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.894E-03	1.165	1.143	3.292E-04	11.46	.82	.50	
33	45.0	3.71	3.70	-3.92	3.71	0.00	-.15	3.637E-03	1.439	1.437	5.107E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	3.197E-03	1.296	1.263	4.044E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	3.154E-03	1.308	1.246	4.274E-04	10.90	.79	.50	
36	45.0	-7.29	3.88	-3.74	-7.28	0.00	-7.79	5.418E-03	2.693	2.141	1.424E-03	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	4.094E-03	2.068	1.618	8.263E-04	10.08	.73	.50	.768
38	45.0	-8.75	3.88	-3.74	-7.62	1.15	-8.03	9.464E-04	.477	.374	4.406E-05	10.10	.74	.50	.177
39	45.0	-9.95	3.82	-3.80	-7.62	2.35	-8.08	1.634E-04	.083	.063	1.317E-06	10.08	.73	.50	.031
40	45.0	-11.22	3.82	-3.80	-7.62	3.62	-8.07	1.582E-05	.008	.006	1.234E-08	10.08	.73	.50	.003
41	45.0	-12.54	3.95	-3.67	-7.62	5.04	-7.98	1.544E-05	.008	.005	1.326E-08	10.11	.74	.50	.003
42	45.0	-13.29	4.00	-3.62	-7.62	5.68	-7.95	1.595E-05	.008	.006	1.245E-08	10.13	.74	.50	.003
43	45.0	13.37	.27	-7.35	7.62	5.70	.19	8.306E-06	.003	.003	2.665E-09	11.56	.83	.50	.001
44	45.0	12.57	.23	-7.33	7.62	4.91	.21	8.545E-06	.003	.003	2.887E-09	11.56	.83	.50	.001
45	45.0	11.39	.30	-7.32	7.62	3.72	.22	1.222E-05	.005	.005	5.769E-09	11.56	.83	.50	.002
46	45.0	10.13	.26	-7.36	7.62	2.37	.19	1.762E-04	.070	.070	1.200E-06	11.56	.83	.50	.025

CFHT TEST (92), MDAC-E RSI GAPS, RUN (52) 1973 PAGE 122

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	8.82	.27	-7.35	7.62	1.16	.19	1.199E-03	.474	.474	5.558E-05	11.56	.83	.58	.167
48	45.0	7.99	.36	-7.26	7.62	.33	.25	4.584E-03	1.815	1.812	8.122E-04	11.56	.83	.58	.639
49	45.0	7.30	.35	-7.27	7.30	0.00	.02	7.192E-03	2.842	2.842	1.995E-03	11.56	.83	.58	
50															
51	45.0	0.00	.22	-7.40	0.00	0.00	-5.23	5.873E-03	2.227	2.005	1.103E-03	10.92	.79	.58	
52	45.0	-3.58	.27	-7.35	-3.58	0.00	-7.73	3.874E-03	1.919	1.531	7.256E-04	10.20	.74	.58	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.10	4.146E-03	2.351	1.638	9.515E-04	9.24	.68	.58	
54	45.0	-7.89	.36	-7.26	-7.62	.31	-10.52	3.091E-03	1.784	1.221	5.382E-04	9.09	.67	.58	.759
55	45.0	-8.69	.32	-7.30	-7.62	1.11	-10.55	4.804E-04	.278	.198	1.381E-05	9.08	.67	.58	.118
56	45.0	-9.90	.37	-7.25	-7.62	2.32	-10.52	3.261E-05	.019	.013	5.991E-08	9.09	.67	.58	.008
57	45.0	-11.29	.36	-7.26	-7.62	3.70	-10.52	2.070E-05	.012	.011	4.665E-08	9.09	.67	.58	.007
58	45.0	-12.54	.38	-7.24	-7.62	4.97	-10.51	2.086E-05	.012	.008	2.266E-08	9.09	.67	.58	.005
59	45.0	-13.20	.37	-7.25	-7.62	5.62	-10.52	7.263E-06	.004	.003	2.971E-09	9.09	.67	.58	.002
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	5.774E-03	2.208	2.201	1.289E-03	11.55	.83	.58	.005
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	1.427E-03	.565	.564	7.868E-05	11.55	.83	.58	.199
62	45.0	7.13	0.00	-7.62	7.13	2.34	-.35	1.621E-04	.064	.064	1.016E-06	11.55	.83	.58	.023
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.30	2.130E-05	.008	.008	1.754E-08	11.55	.83	.58	.003
64	45.0	7.14	0.00	-7.62	7.14	5.02	-.34	1.540E-05	.006	.006	9.173E-09	11.55	.83	.58	.002
65															
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	5.886E-03	2.393	2.326	1.375E-03	11.34	.82	.58	.786
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	1.083E-03	.441	.428	4.658E-05	11.34	.82	.58	.145
68	45.0	3.45	0.00	-7.62	3.45	2.44	-2.95	1.871E-04	.044	.042	4.556E-07	11.34	.82	.58	.014
69	45.0	3.50	0.00	-7.62	3.50	3.74	-2.91	2.355E-05	.010	.009	2.200E-08	11.34	.82	.58	.003
70	45.0	3.46	0.00	-7.62	3.46	5.04	-2.94	1.734E-06	.001	.001	1.193E-10	11.34	.82	.58	.000
71	45.0	3.40	0.00	-7.62	3.40	5.81	-2.98	3.494E-06	.001	.001	4.849E-10	11.33	.82	.58	.000
72	45.0	0.00	0.00	-7.62	0.00	.38	-5.39	3.716E-06	.002	.001	5.963E-10	10.88	.79	.58	.001
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	6.899E-04	.270	.241	1.605E-05	10.88	.79	.58	.121
74	45.0	0.00	0.00	-7.62	0.00	2.37	-5.39	4.580E-05	.020	.018	9.858E-08	10.88	.79	.58	.009
75	45.0	0.00	0.00	-7.62	0.00	3.70	-5.39	6.592E-06	.003	.003	1.932E-09	10.88	.79	.58	.001
76	45.0	0.00	0.00	-7.62	0.00	4.99	-5.39	7.535E-06	.003	.003	2.515E-09	10.88	.79	.58	.002
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	6.634E-06	.003	.003	1.899E-09	10.88	.79	.58	.001
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	2.598E-03	1.297	1.023	3.279E-04	10.13	.74	.58	.676
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	4.948E-04	.248	.195	1.195E-05	10.12	.74	.58	.129
80	45.0	-3.60	0.00	-7.62	-3.60	2.42	-7.93	4.517E-05	.023	.018	1.043E-07	10.13	.74	.58	.012
81	45.0	-3.55	0.00	-7.62	-3.55	3.76	-7.90	2.228E-05	.011	.009	2.422E-08	10.14	.74	.58	.006
82	45.0	-3.58	0.00	-7.62	-3.58	5.08	-7.92	7.842E-06	.004	.003	2.423E-09	10.14	.74	.58	.002
83	45.0	-3.62	0.00	-7.62	-3.62	5.79	-7.95	1.133E-05	.006	.004	6.278E-09	10.13	.74	.58	.003
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	3.096E-03	1.791	1.223	5.413E-04	9.07	.67	.58	.762
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	3.330E-04	.193	.132	6.270E-06	9.06	.67	.58	.082
86	45.0	-7.36	0.00	-7.62	-7.36	2.26	-10.59	1.800E-05	.010	.007	1.832E-08	9.06	.67	.58	.004
87	45.0	-7.33	0.00	-7.62	-7.33	3.74	-10.57	3.002E-05	.017	.012	5.089E-08	9.07	.67	.58	.007
88	45.0	-7.33	0.00	-7.62	-7.33	5.03	-10.57	1.819E-05	.011	.007	1.869E-08	9.07	.67	.58	.004
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

FFHT TEST (92), MMAC-F RSI GAPS, RUN (53) 1973 PAGE 25

MACH = 10.290 TT = 1.003E+03(K)
PX E06 = 8.068E-02 PI = 5.179 E+06(N/M2)
RL E06 = 8.292E-02 TI = 4.724E+01(K)
RE/METER = 3.264E+06 PI = 0.984E+02(N/M2)
HO = 2.554E+00(M/M2- K) (RHO V)I = 1.030E+01(KG/M2-S)
TW = 297.3 (K) GAP = .457 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	-13.39	7.62	0.00	-7.62	5.70	0.00	2.989E-05	.012	.012	3.444E-08	11.56	.83	.50	.008
10	90.0	-12.72	7.62	0.00	-7.62	5.03	0.00	3.759E-05	.015	.015	5.449E-08	11.56	.83	.50	.010
11	90.0	-11.34	7.62	0.00	-7.62	3.74	0.00	5.616E-05	.022	.022	1.216E-07	11.56	.83	.50	.015
12	90.0	-10.05	7.62	0.00	-7.62	2.36	0.00	1.400E-04	.055	.055	7.561E-07	11.56	.83	.50	.038
13	90.0	-8.83	7.62	0.00	-7.62	1.14	0.00	5.778E-04	.228	.228	1.287E-05	11.56	.83	.50	.155
14	90.0	-8.42	7.62	0.00	-7.62	.33	0.00	2.656E-03	1.050	1.050	2.721E-04	11.56	.83	.50	.712
15	90.0	-7.29	7.62	0.00	-7.29	0.00	0.00	3.729E-03	1.473	1.473	5.360E-04	11.56	.83	.50	
16	90.0	-3.63	7.62	0.00	-3.63	0.00	0.00	3.386E-03	1.338	1.338	4.420E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.048E-03	1.204	1.204	3.582E-04	11.56	.83	.50	
18	90.0	3.54	7.62	0.00	3.54	0.00	0.00	2.866E-03	1.132	1.132	3.167E-04	11.56	.83	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	0.00	1.716E-03	.678	.678	1.136E-04	11.56	.83	.50	
20															
21	90.0	8.72	7.62	0.00	7.62	1.17	0.00	1.978E-04	.078	.078	1.509E-06	11.56	.83	.50	.115
22	90.0	9.94	7.62	0.00	7.62	2.39	0.00	5.043E-05	.020	.020	9.886E-08	11.56	.83	.50	.029
23	90.0	11.25	7.62	0.00	7.62	3.70	0.00	3.491E-05	.014	.014	4.780E-08	11.56	.83	.50	.020
24	90.0	12.62	7.62	0.00	7.62	5.07	0.00	2.352E-05	.009	.009	2.151E-08	11.56	.83	.50	.014
25	90.0	13.29	7.62	0.00	7.62	5.73	0.00	3.224E-05	.013	.013	4.089E-08	11.56	.83	.50	.019
26	90.0	-13.35	11.38	3.76	-7.62	5.70	3.76	1.998E-05	.008	.008	1.587E-08	11.30	.81	.50	.003
27	90.0	-12.68	11.42	3.80	-7.62	5.04	3.80	2.175E-05	.009	.009	1.897E-08	11.29	.81	.50	.003
28	90.0	-11.36	11.38	3.76	-7.62	3.72	3.76	6.029E-05	.025	.024	1.456E-07	11.30	.81	.50	.009
29	90.0	-10.09	11.43	3.81	-7.62	2.44	3.81	2.598E-04	.111	.107	2.928E-06	11.29	.81	.50	.036
30	90.0	-8.80	11.45	3.83	-7.62	1.16	3.83	1.298E-03	.534	.513	6.761E-05	11.29	.81	.50	.171
31	90.0	-7.97	11.49	3.87	-7.62	.33	3.87	6.148E-03	2.530	2.429	1.518E-03	11.28	.81	.50	.811
32															
33	90.0	-3.71	11.54	3.92	-3.71	0.00	3.92	3.773E-03	1.555	1.491	5.723E-04	11.28	.81	.50	
34	90.0	0.00	11.57	3.95	0.00	0.00	3.95	3.083E-03	1.271	1.218	3.824E-04	11.27	.81	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	3.89	2.847E-03	1.172	1.125	3.256E-04	11.28	.81	.50	
36	90.0	7.28	11.36	3.74	7.28	0.00	3.74	1.691E-03	.696	.668	1.146E-04	11.30	.81	.50	
37	90.0	7.37	11.41	3.79	7.62	.37	3.79	4.458E-04	.183	.176	7.968E-06	11.30	.81	.50	.264
38	90.0	8.75	11.36	3.74	7.62	1.15	3.74	1.994E-04	.082	.079	1.593E-06	11.30	.81	.50	.118
39	90.0	9.95	11.42	3.80	7.62	2.35	3.80	2.289E-05	.009	.009	2.181E-08	11.29	.81	.50	.014
40	90.0	11.22	11.42	3.80	7.62	3.62	3.80	3.576E-05	.015	.015	5.416E-08	11.30	.81	.50	.022
41	90.0	12.54	11.29	3.67	7.62	5.04	3.67	3.012E-05	.012	.012	3.630E-08	11.31	.82	.50	.018
42	90.0	13.29	11.24	3.62	7.62	5.68	3.62	1.203E-05	.005	.005	5.786E-09	11.32	.82	.50	.007
43	90.0	-13.37	14.97	7.35	-7.62	5.70	7.35	1.132E-05	.005	.004	5.701E-09	10.50	.76	.50	.002
44	90.0	-12.57	14.95	7.33	-7.62	4.91	7.33	1.902E-05	.009	.008	1.608E-08	10.50	.76	.50	.003
45	90.0	-11.33	14.94	7.32	-7.62	3.72	7.32	5.203E-05	.024	.021	1.203E-07	10.51	.76	.50	.008
46	90.0	-10.03	14.98	7.36	-7.62	2.37	7.36	3.003E-04	.137	.119	4.013E-06	10.49	.76	.50	.044
47	90.0	-8.82	14.97	7.35	-7.62	1.16	7.35	1.201E-03	.547	.475	6.414E-05	10.50	.76	.50	.176

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	90.0	-7.99	14.88	7.26	-7.62	.33	7.25	5.435E-03	2.470	2.148	1.310E-03	10.52	.77	.50	.794
49															
50	90.0	-3.69	14.95	7.33	-3.69	0.00	7.33	3.593E-03	1.632	1.459	6.862E-04	10.50	.76	.50	
51	90.0	0.00	15.02	7.40	0.00	0.00	7.40	3.282E-03	1.499	1.297	4.882E-04	10.48	.76	.50	
52	90.0	3.59	14.97	7.35	3.58	0.00	7.35	3.327E-03	1.517	1.315	4.925E-04	10.50	.76	.50	
53	90.0	7.24	14.78	7.16	7.24	0.00	7.16	1.961E-03	.888	.775	1.699E-04	10.55	.77	.50	
54	90.0	7.49	14.88	7.26	7.62	.31	7.26	9.543E-04	.434	.377	4.833E-05	10.52	.77	.50	.488
55	90.0	8.69	14.92	7.30	7.62	1.11	7.30	2.518E-04	.115	.100	2.815E-06	10.51	.76	.50	.129
56	90.0	9.30	14.87	7.25	7.62	2.32	7.25	5.791E-05	.026	.023	1.487E-07	10.53	.77	.50	.030
57	90.0	11.29	14.88	7.26	7.62	3.78	7.26	3.549E-05	.016	.014	5.586E-08	10.52	.77	.50	.018
58	90.0	12.55	14.86	7.24	7.62	4.97	7.24	2.248E-05	.010	.009	2.224E-08	10.53	.77	.50	.011
59	90.0	13.20	14.87	7.25	7.62	5.62	7.25	9.130E-06	.004	.004	3.605E-09	10.53	.77	.50	.005
60	90.0	-7.14	15.24	7.62	-7.14	.27	7.62	4.833E-03	2.225	1.910	1.849E-03	10.41	.76	.50	.715
61	90.0	-7.35	15.24	7.62	-7.35	1.17	7.62	8.888E-04	.409	.348	3.478E-05	10.41	.76	.50	.130
62	90.0	-7.13	15.24	7.62	-7.13	2.34	7.62	2.435E-04	.112	.096	2.663E-06	10.41	.76	.50	.036
63	90.0	-7.19	15.24	7.62	-7.19	3.71	7.62	5.952E-05	.027	.024	1.591E-07	10.41	.76	.50	.009
64	90.0	-7.14	15.24	7.62	-7.14	5.02	7.62	1.853E-05	.009	.007	1.560E-08	10.41	.76	.50	.003
65	90.0	-7.14	15.24	7.62	-7.14	5.63	7.62	1.675E-06	.001	.001	1.260E-10	10.41	.76	.50	.000
66	90.0	-3.44	15.24	7.62	-3.44	.36	7.62	2.243E-03	1.033	.886	2.260E-04	10.41	.76	.50	.614
67	90.0	-3.44	15.24	7.62	-3.44	1.19	7.62	2.515E-04	.116	.099	2.841E-06	10.41	.76	.50	.069
68	90.0	-3.45	15.24	7.62	-3.45	2.44	7.62	3.571E-05	.016	.014	5.727E-08	10.41	.76	.50	.010
69	90.0	-3.50	15.24	7.62	-3.50	3.74	7.62	4.244E-05	.020	.017	8.089E-08	10.41	.76	.50	.012
70	90.0	-3.46	15.24	7.62	-3.46	5.04	7.62	4.508E-14	.000	.000	9.540E-26	10.41	.76	.50	.000
71	90.0	-3.40	15.24	7.62	-3.40	5.81	7.62	1.507E-05	.007	.006	1.160E-08	10.41	.76	.50	.004
72															
73	90.0	0.00	15.24	7.62	0.00	1.15	7.62	2.616E-04	.120	.103	3.075E-06	10.41	.76	.50	.380
74	90.0	0.00	15.24	7.62	0.00	2.37	7.62	3.857E-05	.018	.015	6.199E-08	10.41	.76	.50	.009
75	90.0	0.00	15.24	7.62	0.00	3.78	7.62	3.738E-05	.017	.015	6.276E-08	10.41	.76	.50	.011
76	90.0	0.00	15.24	7.62	0.00	4.99	7.62	4.351E-05	.020	.017	8.505E-08	10.41	.76	.50	.013
77	90.0	0.00	15.24	7.62	0.00	5.74	7.62	2.953E-05	.014	.012	3.916E-08	10.41	.76	.50	.009
78	90.0	3.59	15.24	7.62	3.59	.38	7.62	2.820E-03	.930	.798	1.833E-04	10.41	.76	.50	.613
79	90.0	3.63	15.24	7.62	3.63	1.17	7.62	3.232E-04	.149	.128	4.692E-06	10.41	.76	.50	.098
80	90.0	3.60	15.24	7.62	3.60	2.42	7.62	3.845E-05	.018	.012	4.165E-08	10.41	.76	.50	.009
81	90.0	3.55	15.24	7.62	3.55	3.76	7.62	2.916E-05	.013	.012	3.828E-08	10.41	.76	.50	.009
82	90.0	3.58	15.24	7.62	3.58	5.08	7.62	2.661E-05	.012	.011	3.180E-08	10.41	.76	.50	.008
83	90.0	3.62	15.24	7.62	3.62	5.79	7.62	2.872E-05	.013	.008	1.929E-08	10.41	.76	.50	.005
84	90.0	7.33	15.24	7.62	7.33	.31	7.62	1.648E-03	.758	.651	1.219E-04	10.41	.76	.50	.054
85	90.0	7.36	15.24	7.62	7.36	1.09	7.62	2.943E-04	.135	.116	3.891E-06	10.41	.76	.50	.153
86	90.0	7.36	15.24	7.62	7.36	2.36	7.62	4.570E-05	.021	.018	9.798E-08	10.41	.76	.50	.024
87	90.0	7.33	15.24	7.62	7.33	3.74	7.62	2.924E-05	.013	.012	3.840E-08	10.41	.76	.50	.015
88	90.0	7.33	15.24	7.62	7.33	5.03	7.62	1.223E-05	.006	.005	6.716E-09	10.41	.76	.50	.005
89	90.0	7.35	15.24	7.62	7.35	5.66	7.62	2.757E-05	.013	.011	3.414E-08	10.41	.76	.50	.014

CFHT TEST (92), MDAC-E RSI GAPS, RUN (34) 1973 PAGE 27

MACH = 10.290 TT = 1.002E+03(K)
PX E06 = 8.77E 02 PI = 5.179 E+06 (N/M2)
PL E06 = 8.301E-02 T1 = 4.721E+01(K)
RE/METER = 3.264E+06 P1 = 0.984 E+02(N/M2)
HO = 2.554E+00(M/M2- K) (RHO V)1 = 1.030E+01(KG/M2-S)
TW = 297 . (K) GAP = .457 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	-13.39	7.62	0.00	-7.62	5.70	-.99	3.741E-05	.015	.015	5.437E-08	11.52	.83	.50	.007
10	82.5	-12.72	7.62	0.00	-7.62	5.03	-.99	3.496E-05	.014	.014	4.748E-08	11.52	.83	.50	.006
11	82.5	-11.94	7.62	0.00	-7.62	3.74	-.99	5.619E-05	.022	.022	1.226E-07	11.52	.83	.50	.010
12	82.5	-10.05	7.62	0.00	-7.62	2.36	-.99	2.253E-04	.090	.089	1.971E-06	11.52	.83	.50	.041
13	82.5	-9.83	7.62	0.00	-7.62	2.14	-.99	1.002E-03	.399	.396	3.897E-05	11.52	.83	.50	.182
14	82.5	-8.02	7.62	0.00	-7.62	.33	-.99	4.322E-03	1.691	1.787	7.963E-04	11.52	.83	.50	.828
15	82.5	-7.29	7.62	0.00	-7.29	0.00	-.95	5.519E-03	2.197	2.181	1.183E-03	11.53	.83	.50	
16	82.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.866E-03	1.533	1.528	5.781E-04	11.55	.83	.50	
17	82.5	0.00	7.62	0.00	0.00	0.00	0.00	3.234E-03	1.278	1.278	4.032E-04	11.56	.83	.50	
18	82.5	3.54	7.62	0.00	3.54	0.00	.46	2.884E-03	1.144	1.139	3.216E-04	11.56	.83	.50	
19	82.5	7.27	7.62	0.00	7.27	0.00	.95	1.575E-03	.667	.662	1.089E-04	11.55	.83	.50	
20															
21	82.5	9.72	7.62	0.00	7.62	1.17	.99	1.904E-04	.076	.075	1.408E-06	11.55	.83	.50	.114
22	82.5	9.94	7.62	0.00	7.62	2.39	.99	4.938E-05	.020	.020	9.474E-08	11.55	.83	.50	.029
23	82.5	11.25	7.62	0.00	7.62	3.70	.99	3.499E-05	.014	.014	4.756E-08	11.55	.83	.50	.021
24	82.5	12.62	7.62	0.00	7.62	5.07	.99	2.531E-25	.010	.010	2.488E-08	11.55	.83	.50	.015
25	82.5	13.29	7.62	0.00	7.62	5.73	.99	3.551E-35	.014	.014	4.898E-08	11.55	.83	.50	.021
26	82.5	-13.35	11.38	3.76	-7.62	5.70	2.74	2.034E-05	.008	.008	1.631E-08	11.43	.82	.50	.003
27	82.5	-12.69	11.42	3.80	-7.62	5.04	2.78	2.703E-05	.011	.011	2.883E-08	11.43	.82	.50	.003
28	82.5	-11.36	11.38	3.76	-7.62	3.72	2.73	4.134E-05	.017	.016	6.737E-08	11.43	.82	.50	.005
29	82.5	-10.09	11.43	3.81	-7.62	2.44	2.79	2.585E-04	.105	.102	2.638E-06	11.42	.82	.50	.033
30	82.5	-8.91	11.45	3.83	-7.62	1.16	2.80	1.324E-03	.536	.523	6.923E-05	11.42	.82	.50	.169
31	82.5	-7.97	11.49	3.97	-7.62	.33	2.84	6.392E-03	2.588	2.526	1.614E-03	11.42	.82	.50	.815
32															
33	82.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.749E-03	1.531	1.481	5.539E-04	11.35	.82	.50	
34	82.5	0.01	11.57	3.95	0.00	0.00	3.92	3.034E-03	1.258	1.199	3.708E-04	11.28	.81	.50	
35	82.5	3.59	11.51	3.89	3.59	0.00	4.32	2.754E-03	1.145	1.088	3.076E-04	11.21	.81	.50	
36	82.5	7.29	11.36	3.74	7.28	0.00	4.66	1.604E-03	.672	.634	1.051E-04	11.15	.81	.50	
37	82.5	7.37	11.41	3.79	7.62	.37	4.75	3.989E-04	.167	.158	6.514E-06	11.13	.80	.50	.249
38	82.5	6.75	11.36	3.74	7.62	1.15	4.70	2.109E-04	.088	.083	1.820E-06	11.14	.80	.50	.132
39	82.5	9.95	11.42	3.80	7.62	2.35	4.76	5.739E-05	.024	.023	1.349E-07	11.13	.80	.50	.036
40	82.5	11.22	11.42	3.80	7.62	3.62	4.76	2.399E-05	.010	.009	2.357E-08	11.13	.80	.50	.015
41	82.5	12.54	11.29	3.67	7.62	5.04	4.63	1.498E-05	.006	.006	9.168E-09	11.16	.81	.50	.009
42	82.5	13.29	11.24	3.62	7.62	5.68	4.58	1.223E-05	.005	.005	6.103E-09	11.16	.81	.50	.008
43	82.5	-13.37	14.97	7.35	-7.62	5.78	6.29	7.591E-06	.003	.003	2.465E-09	10.79	.78	.50	.001
44	82.5	-12.57	14.95	7.33	-7.62	4.91	6.27	8.112E-06	.004	.003	2.814E-09	10.80	.78	.50	.001
45	82.5	-11.33	14.94	7.32	-7.62	3.72	6.26	6.017E-05	.026	.024	1.547E-07	10.80	.78	.50	.005
46	82.5	-11.03	14.98	7.36	-7.62	2.37	6.30	3.468E-04	.152	.137	5.147E-06	10.79	.78	.50	.047
47	82.5	-8.82	14.97	7.35	-7.62	4.16	6.29	1.399E-03	.613	.553	8.370E-05	10.79	.78	.50	.190

PENT TEST (92), MDAC-E RSI GAPS, RUN (54) 1973 PAGE 28

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	82.5	-7.99	14.88	7.26	-7.62	.33	6.21	5.981E-0[illegible]	2.617	2.364	1.527E-03	10.81	.78	.58	.889
49															
50	82.5	-3.69	14.95	7.33	-3.69	0.00	6.78	3.208E-03	1.433	1.268	4.482E-04	10.66	.77	.58	
51	82.5	0.00	15.02	7.40	0.00	0.00	7.34	2.546E-03	1.168	1.006	2.881E-04	10.58	.76	.58	
52	82.5	3.58	14.97	7.35	3.58	0.00	7.76	2.408E-03	1.114	.948	2.689E-04	10.37	.76	.58	
53	82.5	7.24	14.78	7.16	7.24	0.00	8.04	1.093E-03	.517	.432	5.587E-05	10.28	.75	.58	
54	82.5	7.89	14.88	7.26	7.62	.31	8.19	4.763E-04	.227	.188	1.056E-05	10.23	.75	.58	.440
55	82.5	8.69	14.92	7.30	7.62	1.11	8.23	1.791E-04	.086	.071	1.497E-06	10.22	.75	.58	.166
56	82.5	9.93	14.87	7.25	7.62	2.32	8.19	5.959E-05	.028	.024	1.652E-07	10.23	.75	.58	.055
57	82.5	11.28	14.88	7.26	7.62	3.70	8.19	3.404E-05	.016	.013	5.392E-08	10.23	.75	.58	.031
58	82.5	12.55	14.86	7.24	7.62	4.97	8.18	2.317E-05	.011	.009	2.496E-08	10.23	.75	.58	.021
59	82.5	13.20	14.87	7.25	7.62	5.62	8.18	7.993E-06	.004	.003	2.972E-09	10.23	.75	.58	.007
60	82.5	-7.14	15.24	7.62	-7.14	.27	6.62	5.208E-03	2.398	2.055	1.171E-03	10.78	.78	.58	.714
61	82.5	-7.35	15.24	7.62	-7.35	1.17	6.60	1.056E-03	.473	.421	4.918E-05	10.71	.78	.58	.146
62	82.5	-7.13	15.24	7.62	-7.13	2.34	6.62	3.047E-04	.135	.120	4.819E-06	10.78	.78	.58	.042
63	82.5	-7.19	15.24	7.62	-7.19	3.71	6.62	7.154E-05	.032	.028	2.215E-07	10.71	.78	.58	.010
64	82.5	-7.14	15.24	7.62	-7.14	5.02	6.62	1.033E-05	.005	.004	4.624E-09	10.78	.78	.58	.001
65	82.5	-7.14	15.24	7.62	-7.14	5.63	6.62	8.287E-06	.004	.003	2.974E-09	10.78	.78	.58	.001
66	82.5	-3.44	15.24	7.62	-3.44	.35	7.11	1.714E-03	.774	.677	1.294E-04	10.57	.77	.58	.541
67	82.5	-3.44	15.24	7.62	-3.44	1.19	7.11	2.333E-04	.105	.092	2.399E-06	10.57	.77	.58	.075
68	82.5	-3.45	15.24	7.62	-3.45	2.44	7.10	6.589E-05	.030	.026	1.913E-07	10.57	.77	.58	.021
69	82.5	-3.50	15.24	7.62	-3.50	3.74	7.10	4.974E-05	.022	.020	1.098E-07	10.57	.77	.58	.016
70	82.5	-3.46	15.24	7.62	-3.46	5.04	7.10	4.788E-14	.000	.000	9.734E-26	10.57	.77	.58	.000
71	82.5	-3.40	15.24	7.62	-3.40	5.81	7.11	1.918E-05	.009	.008	1.622E-08	10.57	.77	.58	.006
72	82.5	0.00	15.24	7.62	0.00	.38	7.55	3.652E-06	.002	.001	6.088E-10	10.43	.76	.58	.001
73	82.5	0.00	15.24	7.62	0.00	1.15	7.55	2.026E-04	.093	.088	1.839E-06	10.43	.76	.58	.060
74	82.5	0.00	15.24	7.62	0.00	2.37	7.55	5.038E-05	.027	.023	1.527E-07	10.43	.76	.58	.023
75	82.5	0.00	15.24	7.62	0.00	3.70	7.55	5.286E-05	.024	.021	1.252E-07	10.43	.76	.58	.021
76	82.5	0.00	15.24	7.62	0.00	4.99	7.55	4.399E-05	.020	.017	8.669E-08	10.43	.76	.58	.017
77	82.5	0.00	15.24	7.62	0.00	5.74	7.55	3.016E-05	.014	.012	4.058E-08	10.43	.76	.58	.012
78	82.5	3.59	15.24	7.62	3.59	.38	8.02	1.200E-03	.567	.474	6.633E-05	10.28	.75	.58	.508
79	82.5	3.63	15.24	7.62	3.63	1.17	8.03	2.170E-04	.103	.086	2.170E-06	10.28	.75	.58	.092
80	82.5	3.60	15.24	7.62	3.60	2.42	8.02	3.591E-05	.017	.015	6.275E-08	10.28	.75	.58	.016
81	82.5	3.55	15.24	7.62	3.55	3.76	8.02	3.662E-05	.017	.014	6.173E-08	10.29	.75	.58	.016
82	82.5	3.59	15.24	7.62	3.58	5.08	8.02	2.409E-05	.011	.010	2.672E-08	10.29	.75	.58	.010
83	82.5	3.62	15.24	7.62	3.62	5.79	8.03	1.335E-05	.006	.005	8.215E-09	10.28	.75	.58	.006
84	82.5	7.33	15.24	7.62	7.33	.31	8.51	7.999E-04	.389	.316	3.036E-05	10.12	.74	.58	.753
85	82.5	7.36	15.24	7.62	7.36	1.09	8.52	1.889E-04	.092	.075	1.694E-06	10.12	.74	.58	.178
86	82.5	7.36	15.24	7.62	7.36	2.36	8.52	5.034E-05	.024	.020	1.203E-07	10.12	.74	.58	.047
87	82.5	7.33	15.24	7.62	7.33	3.74	8.51	3.735E-05	.018	.015	6.620E-08	10.12	.74	.58	.035
88	82.5	7.33	15.24	7.62	7.33	5.03	8.51	3.088E-05	.015	.012	4.526E-08	10.12	.74	.58	.029
89	82.5	7.35	15.24	7.62	7.35	5.66	8.51	1.816E-05	.009	.007	1.566E-08	10.12	.74	.58	.017

CFHT TEST (92), MACH-E RSI GAPS, RUN (55) 1973

MACH = 10.290
RY E06 = 8.068E-02
RL E06 = 8.292E-02
REYNETER = 3.26RE+06
HO = 2.556E+00 (W/M2- K)
TW = 297.1 (K)
STEP = .254(CM)

TT = 1.063E+03(K)
PI = 5.176E+06(N/M2)
TI = 4.722E+01(K)
PI = 0.983E 02(N/M2)
(RHO V)1 = 1.029E+01(KS/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.39	7.62	0.00	-7.62	5.70	-1.97	2.703E-05	.011	.011	2.861E-08	11.45	.82	.58	.004
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	4.485E-05	.018	.018	7.879E-08	11.45	.82	.58	.006
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	5.661E-05	.023	.022	1.255E-07	11.45	.82	.58	.008
12	75.0	-10.35	7.62	0.00	-7.62	2.36	-1.97	2.387E-04	.096	.094	2.231E-06	11.45	.82	.58	.034
13	75.0	-8.43	7.62	0.00	-7.62	1.14	-1.97	1.295E-03	.528	.512	6.573E-05	11.45	.82	.50	.184
14	75.0	-8.02	7.62	0.00	-7.62	.33	-1.97	5.792E-03	2.324	2.289	1.314E-03	11.45	.82	.58	.822
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	7.053E-03	2.828	2.787	1.947E-03	11.46	.82	.58	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.931E-03	1.565	1.553	6.804E-04	11.53	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.220E-03	1.272	1.272	3.998E-04	11.56	.83	.58	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.835E-03	1.129	1.128	3.123E-04	11.55	.83	.58	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.88	1.592E-03	.679	.669	1.121E-04	11.50	.83	.50	
20															
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.825E-04	.073	.072	1.304E-06	11.50	.83	.50	.100
22	75.0	8.94	7.62	0.00	7.62	2.39	1.97	5.852E-05	.023	.022	1.342E-07	11.50	.83	.50	.035
23	75.0	11.25	7.62	0.00	7.62	3.70	1.97	3.299E-05	.013	.013	4.263E-08	11.50	.83	.50	.020
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	2.394E-05	.010	.009	2.245E-08	11.50	.83	.50	.014
25	75.0	13.29	7.62	0.00	7.62	5.73	1.97	1.815E-05	.007	.007	1.290E-08	11.50	.83	.50	.011
26	75.0	-13.35	11.38	3.76	-7.62	5.78	1.66	1.230E-05	.005	.005	5.916E-09	11.52	.83	.50	.002
27	75.0	-12.68	11.42	3.80	-7.62	5.04	1.70	2.694E-05	.011	.011	2.837E-08	11.52	.83	.50	.004
28	75.0	-11.36	11.38	3.76	-7.62	3.72	1.66	4.315E-05	.017	.017	7.275E-08	11.52	.83	.50	.006
29	75.0	-10.38	11.43	3.81	-7.62	2.44	1.71	1.371E-04	.055	.054	7.345E-07	11.51	.83	.50	.018
30	75.0	-8.80	11.45	3.83	-7.62	1.15	1.73	1.048E-03	.426	.414	4.293E-06	11.51	.83	.50	.141
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	5.903E-03	2.365	2.332	1.363E-03	11.51	.83	.50	.794
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	7.434E-03	2.979	2.937	2.161E-03	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.499E-03	1.416	1.362	4.837E-04	11.42	.82	.50	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.82	2.899E-03	1.192	1.146	3.372E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.701E-03	1.132	1.067	2.984E-04	11.15	.81	.50	
36	75.0	7.28	11.36	3.74	7.28	0.00	5.50	1.574E-03	.674	.622	1.035E-04	10.98	.79	.50	.261
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	4.088E-04	.176	.162	7.014E-06	10.95	.79	.50	.127
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	1.992E-04	.086	.079	1.663E-06	10.96	.79	.50	.033
39	75.0	9.95	11.42	3.80	7.62	2.35	5.64	5.117E-05	.022	.020	1.999E-07	10.95	.79	.50	.018
40	75.0	11.22	11.42	3.80	7.62	3.62	5.64	2.882E-05	.012	.011	3.488E-08	10.95	.79	.50	.008
41	75.0	12.64	11.29	3.67	7.62	5.04	5.51	1.271E-05	.005	.005	6.759E-09	10.98	.79	.50	.009
42	75.0	13.29	11.24	3.62	7.62	5.68	5.47	1.472E-05	.006	.006	9.051E-09	10.99	.79	.50	.002
43	75.0	-13.37	14.97	7.35	-7.62	5.70	5.12	1.596E-05	.007	.006	1.052E-08	11.06	.80	.50	.003
44	75.0	-12.57	14.95	7.33	-7.62	4.91	5.10	2.333E-05	.010	.009	2.248E-08	11.06	.80	.50	.009
45	75.0	-11.39	14.94	7.32	-7.62	3.72	5.09	7.046E-05	.030	.028	2.050E-07	11.07	.80	.50	.044
46	75.0	-10.18	14.98	7.36	-7.62	2.37	5.13	3.487E-04	.148	.138	5.026E-06	11.06	.80	.50	.200
47	75.0	-9.92	14.97	7.35	-7.62	1.16	5.12	1.580E-03	.669	.624	1.032E-04	11.06	.80	.50	

306

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 30

48	75.0	-7.62	14.88	7.26	-7.62	.33	5.04	6.502E-03	2.747	2.569	1.743E-03	11.60	.80	.50	.021								
49																							
50	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	2.993E-03	1.306	1.183	3.816E-04	10.83	.79	.50									
51	75.0	0.00	15.62	7.40	0.00	0.00	7.15	2.280E-03	1.023	.893	2.256E-04	10.56	.77	.50									
52	75.0	3.69	14.97	7.35	3.58	0.00	8.03	2.051E-03	.973	.814	1.950E-04	10.20	.75	.50									
53	75.0	7.38	14.78	7.16	7.24	0.00	8.79	7.020E-04	.387	.309	2.959E-05	10.02	.73	.50									
54	75.0	7.69	14.88	7.26	7.62	.31	8.99	3.119E-04	.156	.123	4.751E-06	9.95	.73	.50	.483								
55	75.0	8.69	14.92	7.30	7.62	1.11	9.02	1.448E-04	.073	.057	1.026E-06	9.94	.73	.50	.188								
56	75.0	9.99	14.87	7.25	7.62	2.32	8.98	4.398E-05	.022	.017	9.408E-08	9.95	.73	.50	.057								
57	75.0	11.24	14.88	7.26	7.62	3.70	8.98	3.670E-05	.018	.015	6.579E-08	9.95	.73	.50	.047								
58	75.0	12.55	14.86	7.24	7.62	4.97	8.97	3.408E-05	.017	.014	5.988E-08	9.95	.73	.50	.045								
59	75.0	13.20	14.87	7.25	7.62	5.62	8.98	2.214E-05	.011	.009	2.393E-08	9.95	.73	.50	.029								
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	5.602E-03	2.440	2.213	1.312E-03	10.98	.79	.55	.717								
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	1.271E-03	.554	.502	6.745E-05	10.99	.80	.50	.162								
62	75.0	-7.13	15.24	7.62	-7.13	2.34	5.52	3.331E-04	.143	.132	4.660E-06	10.98	.79	.50	.043								
63	75.0	-7.19	15.24	7.62	-7.19	3.71	5.50	6.881E-05	.026	.024	1.546E-07	10.98	.79	.50	.008								
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	2.984E-05	.013	.012	3.725E-08	10.98	.79	.50	.004								
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	1.083E-05	.005	.004	4.906E-09	10.98	.79	.50	.001								
66	75.0	-3.44	15.24	7.62	-3.44	.36	6.47	1.453E-03	.641	.574	9.099E-05	10.74	.78	.50	.491								
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	2.083E-04	.092	.082	1.870E-06	10.74	.78	.50	.070								
68	75.0	-3.45	15.24	7.62	-3.45	2.44	6.47	6.211E-05	.027	.025	1.662E-07	10.74	.78	.50	.021								
69	75.0	-3.50	15.24	7.62	-3.50	3.74	6.45	5.154E-05	.023	.020	1.144E-07	10.75	.78	.50	.017								
70																							
71	75.0	-3.43	15.24	7.62	-3.43	5.01	6.40	2.191E-05	.010	.009	2.068E-08	10.74	.78	.50	.007								
72	75.0	0.00	15.24	7.62	0.00	.38	7.36	3.629E-06	.002	.001	5.064E-10	10.49	.76	.50	.002								
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	1.659E-04	.076	.066	1.225E-06	10.49	.76	.50	.074								
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	5.358E-05	.024	.021	1.283E-07	10.49	.76	.50	.024								
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	4.131E-05	.019	.016	7.598E-08	10.49	.76	.50	.018								
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	3.259E-05	.015	.013	4.756E-08	10.49	.76	.50	.015								
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	2.798E-05	.013	.011	3.485E-08	10.49	.76	.50	.012								
78	75.0	3.59	15.24	7.62	3.59	.38	8.29	9.317E-04	.447	.368	4.067E-05	10.20	.74	.50	.459								
79	75.0	3.63	15.24	7.62	3.63	1.17	8.30	1.791E-04	.086	.071	1.584E-06	10.19	.74	.50	.088								
80	75.0	3.63	15.24	7.62	3.60	2.42	8.29	6.884E-05	.029	.024	1.735E-07	10.19	.74	.50	.030								
81	75.0	3.65	15.24	7.62	3.55	3.76	8.28	3.785E-05	.018	.015	6.709E-08	10.20	.74	.50	.019								
82	75.0	3.58	15.24	7.62	3.58	5.08	8.29	2.314E-05	.011	.009	2.580E-08	10.20	.74	.50	.011								
83	75.0	3.62	15.24	7.62	3.62	5.79	8.30	8.452E-06	.004	.003	3.340E-09	10.19	.74	.50	.004								
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	5.223E-04	.266	.206	1.354E-05	9.85	.72	.50	.686								
85	75.0	7.36	15.24	7.62	7.36	1.89	9.26	1.066E-04	.076	.059	1.096E-06	9.84	.72	.50	.195								
86	75.0	7.36	15.24	7.62	7.36	2.36	9.26	5.500E-05	.028	.022	1.557E-07	9.84	.72	.50	.074								
87	75.0	7.33	15.24	7.62	7.33	3.74	9.26	3.863E-05	.015	.012	4.596E-08	9.85	.72	.50	.040								
88	75.0	7.33	15.24	7.62	7.33	5.03	9.26	1.485E-05	.007	.005	9.792E-09	9.85	.72	.50	.018								
89	75.0	7.35	15.24	7.62	7.35	5.66	9.26	4.212E-05	.021	.017	8.889E-08	9.84	.72	.50	.055								

MACH = 10.293
RX E06 = 8.075E-02
RL E06 = 8.297E-02
RE/METER = 3.266E+06
HO = 2.554E+00(W/M2- K)
TW = 297.0 (K)
STEP = .254(CM)

TT = 1.003E+03(K)
PI = 5.179E+06(N/M2)
T1 = 4.722E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.030E-01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =1.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	-13.33	7.62	0.00	-7.62	5.70	-3.81	1.657E-05	.007	.007	1.109E-08	11.21	.81	.50	.002
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	3.450E-05	.014	.014	4.809E-08	11.21	.81	.50	.005
11	60.0	-12.34	7.62	0.00	-7.62	3.74	-3.81	2.650E-05	.011	.011	2.876E-08	11.21	.81	.50	.004
12	60.0	-10.05	7.62	0.00	-7.62	2.36	-3.81	1.655E-04	.069	.066	1.121E-06	11.21	.81	.50	.023
13	60.0	-8.83	7.62	0.00	-7.62	1.14	-3.81	1.209E-03	.501	.478	5.907E-05	11.21	.81	.50	.165
14	60.0	-8.02	7.62	0.00	-7.62	.33	-3.81	5.860E-03	2.427	2.316	1.387E-03	11.21	.81	.50	.800
15															
16	60.0	-3.63	7.62	0.00	-3.63	0.00	-1.82	3.765E-03	1.589	1.488	5.542E-04	11.47	.82	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.174E-03	1.254	1.254	3.884E-04	11.56	.83	.50	
18	60.0	3.54	7.62	0.00	3.54	0.00	1.77	2.834E-03	1.136	1.120	3.140E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	0.00	3.63	1.831E-03	.750	.723	1.340E-04	11.32	.82	.50	
20															
21	60.0	8.72	7.62	0.00	7.62	1.17	3.81	1.695E-04	.070	.067	1.152E-06	11.29	.81	.50	.093
22	60.0	9.94	7.62	0.00	7.62	2.39	3.81	4.957E-05	.020	.020	9.852E-08	11.29	.81	.50	.027
23	60.0	11.75	7.62	0.00	7.62	3.70	3.81	2.311E-05	.009	.009	2.140E-08	11.29	.81	.50	.013
24	60.0	12.62	7.62	0.00	7.62	5.07	3.81	1.549E-05	.007	.007	1.090E-08	11.29	.81	.50	.009
25	60.0	13.23	7.62	0.00	7.62	5.73	3.81	1.901E-05	.008	.008	1.449E-08	11.29	.81	.50	.010
26	60.0	-13.35	11.38	3.76	-7.62	5.70	-.55	8.818E-06	.003	.003	3.010E-09	11.54	.83	.50	.001
27	60.0	-12.68	11.42	3.90	-7.62	5.04	-.52	2.908E-05	.012	.011	3.273E-08	11.55	.83	.50	.004
28	60.0	-11.36	11.38	3.76	-7.62	3.72	-.55	5.538E-05	.022	.022	1.230E-07	11.54	.83	.50	.008
29	60.0	-10.68	11.43	3.91	-7.62	2.44	-.51	1.737E-04	.069	.069	1.168E-06	11.55	.83	.50	.026
30	60.0	-9.81	11.45	3.93	-7.62	1.16	-.49	9.111E-04	.361	.360	3.212E-05	11.55	.83	.50	.134
31	60.0	-7.97	11.43	3.97	-7.62	.33	-.46	5.150E-03	2.042	2.035	1.026E-03	11.55	.83	.50	.757
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	6.806E-03	2.697	2.689	1.790E-03	11.55	.83	.50	
33	60.0	-3.71	11.54	3.92	-3.71	0.00	1.54	3.911E-03	1.564	1.545	5.967E-04	11.52	.83	.50	
34	60.0	0.00	11.57	3.95	0.00	0.00	3.42	2.971E-03	1.214	1.174	3.517E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.522E-03	1.112	1.036	2.843E-04	11.05	.80	.50	
36	60.0	7.28	11.36	3.74	7.28	0.00	6.88	1.579E-03	.707	.624	1.089E-04	10.63	.77	.50	
37	60.0	7.97	11.41	3.79	7.62	.37	7.09	4.479E-04	.202	.177	8.840E-06	10.57	.77	.50	.286
39	60.0	9.75	11.36	3.74	7.62	1.15	7.05	1.829E-04	.082	.072	1.471E-06	10.58	.77	.50	.117
39	60.0	9.95	11.42	3.90	7.62	2.35	7.10	3.943E-05	.018	.016	6.852E-08	10.57	.77	.50	.025
40	60.0	11.22	11.42	3.80	7.62	3.62	7.10	1.582E-05	.007	.006	1.103E-08	10.57	.77	.50	.010
41	60.0	12.64	11.29	3.67	7.62	5.04	6.99	2.217E-05	.009	.008	1.786E-08	10.60	.77	.50	.013
42	60.0	13.29	11.24	3.62	7.62	5.68	6.94	5.746E-06	.003	.002	1.447E-09	10.61	.77	.50	.004
43	60.0	-13.37	14.97	7.35	-7.62	5.70	2.55	1.733E-05	.007	.007	1.181E-08	11.45	.82	.50	.002
44	60.0	-12.57	14.95	7.33	-7.62	4.91	2.53	3.128E-05	.013	.012	3.848E-08	11.45	.82	.50	.004
45	60.0	-11.38	14.94	7.32	-7.62	3.72	2.53	4.100E-05	.017	.016	6.609E-08	11.45	.82	.50	.005
46	60.0	-10.13	14.98	7.36	-7.62	2.37	2.56	1.458E-04	.059	.058	8.356E-07	11.45	.82	.50	.018
47	60.0	-8.92	14.97	7.35	-7.62	1.16	2.55	1.422E-03	.573	.562	7.951E-05	11.45	.82	.50	.179

CH	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	P	K (CM)	SUB-L (CM)	HT/HE
48	60.0	-7.99	14.88	7.26	-7.62	.33	2.48	6.500E-03	2.619	2.569	1.661E-03	11.46		.82	.50	.818
49																
50	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	2.706E-03	1.130	1.069	2.982E-04	11.18		.81	.50	
51	60.0	0.00	15.02	7.40	0.00	0.00	6.41	2.067E-03	.910	.817	1.835E-04	10.76		.78	.50	
52	60.0	3.59	14.97	7.35	3.58	0.00	8.16	1.706E-03	.812	.674	1.352E-04	10.24		.75	.50	
53	60.0	7.24	14.78	7.16	7.24	0.00	9.82	5.147E-04	.278	.203	1.357E-05	9.63		.71	.50	
54	60.0	7.89	14.88	7.26	7.62	.31	10.10	1.958E-04	.104	.077	1.994E-06	9.51		.70	.50	.305
55	60.0	9.69	14.92	7.30	7.62	1.11	10.13	1.477E-04	.079	.058	1.136E-06	9.50		.70	.50	.292
56	60.0	9.90	14.87	7.25	7.62	2.32	10.09	4.255E-05	.023	.017	9.418E-08	9.51		.70	.50	.084
57	60.0	11.28	14.88	7.26	7.62	3.78	10.10	3.156E-05	.017	.012	5.179E-08	9.51		.70	.50	.062
58	60.0	12.55	14.86	7.24	7.62	4.97	10.08	2.450E-05	.013	.010	3.119E-08	9.52		.70	.50	.048
59	60.0	13.20	14.87	7.25	7.62	5.62	10.09	1.629E-05	.009	.006	1.379E-08	9.52		.70	.50	.032
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	5.498E-03	2.233	2.172	1.197E-03	11.40		.82	.50	.697
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	1.214E-03	.492	.480	5.028E-05	11.41		.82	.50	.154
62	60.0	-7.13	15.24	7.62	-7.13	2.34	3.04	1.796E-04	.073	.071	1.279E-06	11.40		.82	.50	.023
63	60.0	-7.19	15.24	7.62	-7.19	3.71	3.00	4.519E-05	.018	.018	8.085E-08	11.40		.82	.50	.006
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	3.527E-05	.014	.014	4.929E-08	11.40		.82	.50	.004
65	60.0	-7.14	15.24	7.62	-7.14	5.63	3.03	3.321E-05	.013	.013	4.368E-08	11.40		.82	.50	.004
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.207E-03	.500	.477	5.978E-05	11.11		.80	.50	.450
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	1.952E-04	.082	.077	1.564E-06	11.11		.80	.50	.073
68	60.0	-3.45	15.24	7.62	-3.45	2.44	4.87	5.073E-05	.021	.020	1.857E-07	11.11		.80	.50	.019
69	60.0	-3.50	15.24	7.62	-3.50	3.74	4.85	4.702E-05	.020	.019	9.873E-08	11.11		.80	.50	.018
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	5.043E-14	.000	.000	1.044E-25	11.11		.80	.50	.000
71	60.0	-3.40	15.24	7.62	-3.40	5.81	4.90	2.419E-05	.010	.010	2.403E-08	11.10		.80	.50	.009
72	60.0	0.90	15.24	7.62	0.00	.38	6.68	1.778E-05	.008	.007	1.355E-08	10.71		.78	.50	.009
73	60.0	0.00	15.24	7.62	0.00	1.15	6.68	1.718E-04	.076	.068	1.266E-06	10.71		.78	.50	.083
74	60.0	0.00	15.24	7.62	0.00	2.37	6.68	6.212E-05	.028	.025	1.669E-07	10.71		.78	.50	.030
75	60.0	0.00	15.24	7.62	0.00	3.78	6.68	4.812E-05	.021	.019	1.082E-07	10.71		.78	.50	.023
76	60.0	0.00	15.24	7.62	0.00	4.99	6.68	4.486E-05	.020	.018	8.705E-08	10.71		.78	.50	.022
77	60.0	0.00	15.24	7.62	0.00	5.74	6.68	3.028E-05	.013	.012	3.966E-08	10.71		.78	.50	.015
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	6.854E-04	.331	.271	2.214E-05	10.16		.74	.50	.408
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	1.871E-04	.090	.074	1.651E-06	10.15		.74	.50	.111
80	60.0	3.60	15.24	7.62	3.60	2.42	8.40	3.701E-05	.018	.015	6.459E-08	10.16		.74	.50	.022
81	60.0	3.55	15.24	7.62	3.55	3.76	8.37	3.407E-05	.016	.013	5.463E-08	10.17		.74	.50	.020
82	60.0	3.59	15.24	7.62	3.58	5.08	8.39	2.531E-05	.012	.010	3.018E-08	10.16		.74	.50	.015
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	1.446E-05	.007	.006	9.860E-09	10.16		.74	.50	.009
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	2.612E-04	.141	.103	3.502E-06	9.44		.70	.50	.520
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	1.356E-04	.073	.054	9.655E-07	9.44		.70	.50	.270
86	60.0	7.36	15.24	7.62	7.36	2.36	10.28	4.419E-05	.024	.017	1.026E-07	9.44		.70	.50	.088
87	60.0	7.33	15.24	7.62	7.33	3.74	10.26	2.899E-05	.016	.011	4.410E-08	9.44		.70	.50	.058
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	2.304E-05	.012	.009	2.785E-08	9.44		.70	.50	.046
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	1.927E-06	.001	.001	1.950E-10	9.44		.70	.50	.004

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (32), MRAC-E RSI GAPS, RUN (57) 1973 PAGE 33

MACH = 11.290
RX E06 = 9.070E-02
RL E06 = 9.294E-02
RE/METER = 3.265E+06
HC = 2.554E+00(W/M2- K)
TW = 296.2 (K)
STEP = .254(CM)

TT = 1.083E+03(K)
PI = 5.179E+06(N/M2)
T1 = 4.723E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.036E+01(KG/M2-S)
GAP = .457 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.C OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.00	-7.62	5.70	-5.39	3.691E-05	.016	.015	5.875E-08	10.88	.79	.50	.005
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	5.351E-05	.024	.021	1.235E-07	10.88	.79	.50	.008
11	45.0	-11.34	7.62	0.00	-7.62	3.74	-5.39	3.568E-05	.016	.014	5.468E-08	10.88	.79	.50	.005
12	45.0	-10.05	7.62	0.00	-7.62	2.36	-5.39	1.508E-04	.071	.064	1.116E-06	10.88	.79	.50	.024
13	45.0	-8.63	7.62	0.00	-7.62	1.14	-5.39	1.017E-03	.450	.402	4.460E-05	10.88	.79	.50	.150
14	45.0	-8.02	7.62	0.00	-7.62	.33	-5.39	5.307E-03	2.346	2.097	1.215E-03	10.88	.79	.50	.702
15	45.0	-7.29	7.62	0.00	-7.29	0.00	-5.16	6.858E-03	3.000	2.710	2.007E-03	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.594E-03	1.449	1.429	5.082E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.031E-03	1.198	1.198	3.543E-04	11.56	.83	.50	
19	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.897E-03	1.167	1.145	3.299E-04	11.45	.82	.50	
13	45.1	7.27	7.62	0.00	7.27	0.00	5.14	2.072E-03	.877	.819	1.774E-04	11.06	.80	.50	.000
20	45.0	7.97	7.62	0.00	7.62	.41	5.39	1.510E-07	.000	.000	9.498E-13	11.00	.80	.50	.000
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.392E-04	.059	.055	8.865E-07	11.00	.80	.50	.000
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	2.004E-05	.009	.008	1.673E-08	11.00	.80	.50	.010
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	2.716E-05	.012	.011	3.072E-08	11.00	.80	.50	.013
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	2.466E-05	.011	.010	2.533E-08	11.00	.80	.50	.012
25	45.0	13.28	7.62	0.00	7.62	5.73	5.39	2.130E-05	.009	.008	1.889E-08	11.00	.80	.50	.010
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	2.739E-05	.011	.011	2.962E-08	11.37	.82	.50	.003
27	45.0	-12.59	11.42	3.80	-7.62	5.04	-2.70	3.088E-05	.015	.015	5.722E-08	11.37	.82	.50	.005
28	45.0	-11.35	11.38	3.76	-7.62	3.72	-2.73	8.497E-05	.034	.034	2.051E-07	11.37	.82	.50	.011
29	45.0	-10.18	11.43	3.81	-7.62	2.44	-2.69	3.807E-04	.122	.119	3.568E-06	11.37	.82	.50	.038
30	45.0	-8.91	11.45	3.83	-7.62	1.16	-2.68	1.603E-03	.567	.554	7.767E-05	11.37	.82	.50	.178
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	6.258E-03	2.528	2.473	1.544E-03	11.38	.82	.50	.792
32															
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.916E-03	1.549	1.547	5.919E-04	11.56	.83	.50	
34	45.0	3.00	11.57	3.95	0.00	0.00	2.79	2.865E-03	1.159	1.132	3.241E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.556E-03	1.088	1.018	2.713E-04	11.02	.80	.50	
36	45.0	7.28	11.56	3.94	7.28	0.00	7.79	1.598E-03	.744	.631	1.159E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	5.413E-04	.256	.214	1.354E-05	10.27	.75	.50	.345
38	45.0	8.75	11.36	3.74	7.62	1.15	8.03	1.334E-04	.063	.053	8.200E-07	10.28	.75	.50	.085
39	45.0	9.99	11.42	3.80	7.62	2.39	8.08	2.438E-05	.012	.010	2.748E-08	10.27	.75	.50	.016
40	45.0	11.22	11.42	3.80	7.62	3.62	8.07	1.596E-05	.008	.007	1.323E-08	10.27	.75	.50	.011
41	45.1	12.64	11.29	3.67	7.62	5.04	7.98	1.202E-05	.006	.005	6.636E-09	10.30	.75	.50	.008
42	45.0	13.28	11.24	3.62	7.62	5.68	7.95	1.518E-05	.007	.006	1.042E-08	10.31	.75	.50	.010
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	1.439E-05	.006	.006	7.993E-09	11.55	.83	.50	.002
44	45.0	-12.67	14.95	7.33	-7.62	4.91	-.21	2.723E-05	.011	.011	2.864E-08	11.55	.83	.50	.004
45	45.0	-11.38	14.94	7.32	-7.62	3.72	-.22	6.749E-05	.027	.027	1.759E-07	11.55	.83	.50	.010
46	45.0	-10.17	14.99	7.36	-7.62	2.37	-.19	1.584E-04	.067	.067	1.095E-06	11.55	.83	.50	.024
47	45.0	-8.92	14.97	7.35	-7.62	1.16	-.19	1.159E-03	.463	.462	5.274E-05	11.55	.83	.50	.167

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	45.0	-7.39	14.88	7.26	-7.62	.33	-.25	5.589E-03	2.181	2.177	1.173E-03	11.55	.83	.58	.786
49	45.0	-7.30	14.89	7.27	-7.30	0.00	-.02	7.025E-03	2.776	2.776	1.903E-03	11.56	.83	.58	
50	45.0	-3.69	14.95	7.33	-3.69	0.00	2.58	2.718E-03	1.096	1.074	2.907E-04	11.45	.82	.58	
51	45.0	0.00	15.02	7.40	0.00	0.00	5.23	1.903E-03	.809	.752	1.501E-04	11.04	.80	.58	
52	45.0	3.58	14.97	7.35	3.58	0.00	7.73	1.511E-03	.701	.597	1.033E-04	10.38	.76	.58	
53	45.0	7.24	14.78	7.16	7.24	0.00	10.18	5.128E-04	.274	.202	1.378E-05	9.48	.70	.58	
54	45.0	7.09	14.88	7.26	7.62	.31	10.52	2.588E-04	.137	.099	3.348E-06	9.33	.69	.50	.499
55	45.0	8.69	14.92	7.30	7.62	1.11	10.55	1.209E-04	.066	.048	7.790E-07	9.32	.69	.50	.241
56	45.0	9.90	14.87	7.25	7.62	2.32	10.52	4.813E-05	.026	.019	1.232E-07	9.33	.69	.50	.096
57	45.0	11.29	14.88	7.26	7.62	3.70	10.52	2.749E-05	.015	.011	4.821E-08	9.33	.69	.50	.055
58	45.0	12.55	14.86	7.24	7.62	4.97	10.51	1.671E-05	.009	.007	1.486E-08	9.34	.69	.50	.033
59	45.0	13.20	14.97	7.25	7.62	5.62	10.52	1.416E-05	.008	.006	1.067E-08	9.33	.69	.50	.028
60	45.0	-7.14	15.24	7.62	-7.14	.27	.34	4.432E-03	1.756	1.751	7.594E-04	11.56	.83	.58	.632
61	45.0	-7.35	15.24	7.62	-7.35	1.17	.19	9.566E-04	.379	.378	3.534E-05	11.56	.83	.58	.136
62	45.0	-7.13	15.24	7.62	-7.13	2.34	.35	1.434E-04	.057	.057	7.952E-07	11.56	.83	.58	.020
63	45.0	-7.19	15.24	7.62	-7.19	3.71	.30	4.965E-05	.020	.020	9.526E-08	11.56	.83	.58	.007
64	45.0	-7.14	15.24	7.62	-7.14	5.02	.34	3.457E-05	.014	.014	4.619E-08	11.56	.83	.58	.005
65	45.0	-7.14	15.24	7.62	-7.14	5.63	.34	2.433E-05	.010	.010	2.289E-08	11.56	.83	.58	.003
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.076E-03	.436	.424	4.566E-05	11.41	.82	.58	.397
67	45.0	-3.44	15.24	7.62	-3.44	1.19	2.95	1.898E-04	.077	.075	1.425E-06	11.41	.82	.58	.070
68	45.0	-3.45	15.24	7.62	-3.45	2.44	2.95	7.961E-05	.032	.031	2.508E-07	11.41	.82	.58	.029
69	45.0	-3.50	15.24	7.62	-3.50	3.74	2.91	6.252E-05	.025	.025	1.546E-07	11.41	.82	.58	.023
70	45.0	-3.46	15.24	7.62	-3.46	5.04	2.94	1.005E-07	.000	.000	3.999E-13	11.41	.82	.58	.000
71	45.0	-3.40	15.24	7.62	-3.40	5.81	2.98	2.182E-05	.009	.009	1.885E-08	11.40	.82	.58	.008
72	45.0	0.00	15.24	7.62	0.00	.38	5.39	3.373E-06	.001	.001	4.737E-10	11.00	.80	.58	.002
73	45.0	0.01	15.24	7.62	0.00	1.15	5.39	1.928E-04	.082	.076	1.540E-06	11.00	.80	.58	.102
74	45.0	0.00	15.24	7.62	0.00	2.37	5.39	5.673E-05	.024	.022	1.348E-07	11.00	.80	.58	.030
75	45.0	0.00	15.24	7.62	0.00	3.70	5.39	5.420E-05	.023	.021	1.223E-07	11.00	.80	.58	.029
76	45.0	0.00	15.24	7.62	0.00	4.99	5.39	4.850E-05	.021	.019	9.796E-08	11.00	.80	.58	.026
77	45.0	0.00	15.24	7.62	0.00	5.74	5.39	4.211E-05	.018	.017	7.385E-08	11.00	.80	.58	.022
78	45.0	3.59	15.24	7.62	3.59	.38	7.93	5.455E-04	.236	.216	1.363E-05	10.32	.75	.58	.365
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	1.895E-04	.089	.075	1.648E-06	10.31	.75	.58	.127
80	45.0	3.60	15.24	7.62	3.60	2.42	7.93	5.461E-05	.026	.022	1.367E-07	10.31	.75	.58	.037
81	45.0	3.55	15.24	7.62	3.55	3.76	7.90	3.088E-05	.014	.012	4.337E-08	10.33	.75	.58	.021
82	45.0	3.59	15.24	7.62	3.58	5.08	7.92	3.322E-05	.016	.013	5.851E-08	10.32	.75	.58	.022
83	45.0	3.62	15.24	7.62	3.62	5.79	7.95	8.201E-06	.004	.003	3.004E-09	10.31	.75	.58	.006
84	45.0	7.33	15.24	7.62	7.33	.31	10.57	2.195E-04	.120	.087	2.570E-06	9.31	.69	.58	.438
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	1.254E-04	.069	.050	8.395E-07	9.30	.69	.58	.250
86	45.0	7.36	15.24	7.62	7.36	2.36	10.59	5.282E-05	.029	.021	1.491E-07	9.30	.69	.58	.105
87	45.0	7.33	15.24	7.62	7.33	3.74	10.57	1.886E-05	.010	.007	1.741E-08	9.31	.69	.58	.036
88	45.0	7.33	15.24	7.62	7.33	5.03	10.57	1.500E-05	.008	.006	1.280E-08	9.31	.69	.58	.030
89	45.0	7.35	15.24	7.62	7.35	5.66	10.59	9.990E-06	.005	.004	5.331E-09	9.30	.69	.58	.020

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.293
RX EQS = 3.307E-01
RL EQS = 8.262E-02
RE/METER = 3.255E+06
HO = 2.554E+03(W/M2- K)
TW = 298.0 (K)
STEP = .254(CM)

TT = 1.064E+03(K)
PI = 5.179E+06(N/M2)
T1 = 4.732E+01(K)
P1 = 0.983E+02(N/M2)
(RHO V)1 = 1.029E+01(KG/M2-S)
GAP = .457 (CM)
CONF =IN-L

TAW/TT =1.00E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	1.992E-05	.010	.008	1.987E-08	10.24	.74	.50	.008
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	2.725E-05	.013	.011	3.569E-08	10.24	.74	.50	.010
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	3.553E-05	.017	.014	6.067E-08	10.24	.74	.50	.014
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	3.862E-05	.015	.012	4.585E-08	10.24	.74	.50	.012
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	1.525E-04	.075	.066	1.118E-06	10.24	.74	.50	.058
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	1.459E-03	.718	.577	1.023E-04	10.24	.74	.50	.559
15	0.0	0.00	7.62	0.00	-7.29	3.00	-7.29	2.553E-03	1.264	1.040	3.328E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	3.213E-03	1.326	1.270	4.168E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.261E-03	1.289	1.289	4.104E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	3.200E-03	1.310	1.264	4.094E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	3.042E-03	1.383	1.202	4.108E-04	10.52	.77	.50	
20															
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	2.056E-04	.095	.082	1.920E-06	10.41	.76	.50	.069
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	6.448E-05	.030	.025	1.870E-07	10.41	.76	.50	.021
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	4.023E-05	.019	.016	7.277E-08	10.41	.76	.50	.013
24	0.0	0.00	7.62	0.00	7.62	5.07	7.62	3.190E-05	.015	.013	4.577E-08	10.41	.76	.50	.011
25	0.0	0.00	7.62	0.00	7.62	5.73	7.62	4.069E-05	.019	.016	7.446E-08	10.41	.76	.50	.014
26	0.0	-3.76	3.86	-3.76	-7.62	5.70	-7.62	2.598E-05	.013	.010	3.243E-08	10.24	.74	.50	.009
27	0.0	-3.80	3.82	-3.80	-7.62	5.04	-7.62	3.100E-05	.015	.012	4.615E-08	10.24	.74	.50	.011
28	0.0	-3.76	3.86	-3.76	-7.62	3.72	-7.62	2.566E-05	.013	.010	3.263E-08	10.24	.74	.50	.009
29	0.0	-3.81	3.81	-3.81	-7.62	2.44	-7.62	3.831E-05	.019	.015	7.052E-08	10.24	.74	.50	.014
30	0.0	-3.93	3.79	-3.93	-7.62	1.16	-7.62	1.310E-04	.065	.052	8.354E-07	10.24	.74	.50	.047
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.479E-03	.728	.585	1.052E-04	10.24	.74	.50	.532
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	2.835E-03	1.369	1.120	3.791E-04	10.36	.75	.50	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	3.702E-03	1.530	1.463	5.532E-04	11.22	.81	.50	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	3.686E-03	1.457	1.457	5.244E-04	11.56	.83	.50	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	3.598E-03	1.515	1.461	5.471E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.28	0.00	7.28	3.042E-03	1.383	1.202	4.110E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.374E-03	.632	.543	8.487E-05	10.41	.76	.50	.457
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	1.373E-04	.063	.054	8.480E-07	10.41	.76	.50	.046
39	0.0	-3.80	3.82	-3.80	7.62	2.35	7.62	3.775E-05	.017	.015	6.409E-08	10.41	.76	.50	.013
40	0.0	-3.83	3.82	-3.80	7.62	3.62	7.62	3.283E-05	.015	.013	4.614E-08	10.41	.76	.50	.011
41	0.0	-3.67	3.95	-3.67	7.62	5.04	7.62	3.059E-05	.014	.012	4.235E-08	10.41	.76	.50	.010
42	0.0	-3.62	4.00	-3.62	7.62	5.68	7.62	1.573E-05	.007	.006	1.112E-08	10.41	.76	.50	.005
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	6.256E-06	.003	.002	1.881E-09	10.24	.74	.50	.001
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	2.545E-05	.013	.010	3.363E-08	10.24	.74	.50	.006
45	0.0	-7.32	.30	-7.32	-7.62	3.72	-7.62	5.369E-05	.027	.022	1.458E-07	10.24	.74	.50	.012
46	0.0	-7.36	.26	-7.36	-7.62	2.37	-7.62	1.674E-04	.073	.058	1.044E-06	10.24	.74	.50	.033

CFHT TEST (92), MDAC-E RSI GAPS, RUN (58) 1973 PAGE 268

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	5.097E-04	.251	.201	1.249E-05	10.24	.74	.50	.113
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	2.515E-03	1.286	1.033	3.285E-04	10.24	.74	.50	.582
49	0.0	-7.27	.35	-7.27	-7.30	0.00	-7.30	4.563E-03	2.210	1.883	9.851E-04	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	0.00	-3.69	6.300E-03	2.685	2.568	1.704E-03	11.23	.81	.50	
51	0.0	-7.40	.22	-7.40	0.00	0.00	0.00	6.146E-03	2.429	2.429	1.458E-03	11.56	.83	.50	
52	0.0	-7.58	.04	-7.58	3.58	0.00	3.58	6.274E-03	2.570	2.479	1.575E-03	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	4.878E-03	2.215	1.928	1.856E-03	10.53	.77	.50	
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	2.948E-03	1.353	1.162	3.887E-04	10.41	.76	.50	.611
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	6.323E-04	.291	.258	1.798E-05	10.41	.76	.50	.131
56	0.0	-7.25	.37	-7.25	7.62	2.32	7.62	1.612E-04	.074	.064	1.169E-06	10.41	.76	.50	.033
57	0.0	-7.26	.36	-7.26	7.62	3.70	7.62	3.150E-05	.015	.012	4.462E-08	10.41	.76	.50	.007
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	1.678E-05	.008	.007	1.266E-08	10.41	.76	.50	.003
59	0.0	-7.25	.37	-7.25	7.62	5.62	7.62	2.156E-05	.010	.009	2.118E-08	10.41	.76	.50	.005
60	0.0	-7.85	0.00	-7.62	-7.14	.27	-7.14	3.468E-03	1.666	1.370	5.644E-04	10.39	.75	.50	.754
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	8.776E-04	.426	.347	3.652E-05	10.33	.75	.50	.193
62	0.0	-9.92	0.00	-7.62	-7.13	2.34	-7.13	2.053E-04	.099	.082	1.995E-06	10.40	.75	.50	.045
63	0.0	-11.29	0.00	-7.62	-7.19	3.71	-7.19	3.843E-05	.019	.015	6.948E-08	10.38	.75	.50	.008
64	0.0	-12.60	0.00	-7.62	-7.14	5.02	-7.14	2.451E-05	.012	.010	2.828E-08	10.39	.75	.50	.005
65	0.0	-13.22	0.00	-7.62	-7.14	5.63	-7.14	1.457E-05	.007	.006	9.962E-09	10.39	.75	.50	.003
66	0.0	-7.98	0.00	-7.62	-3.44	.36	-3.44	4.955E-03	2.840	1.962	9.894E-04	11.27	.81	.50	.760
67	0.0	-8.81	0.00	-7.62	-3.44	1.19	-3.44	1.005E-03	.413	.397	4.853E-05	11.27	.81	.50	.154
68	0.0	-10.06	0.00	-7.62	-3.45	2.44	-3.45	1.777E-04	.073	.070	1.268E-06	11.26	.81	.50	.027
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	5.247E-05	.022	.021	1.106E-07	11.26	.81	.50	.008
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	5.148E-14	.000	.000	1.064E-25	11.26	.81	.50	.000
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	1.798E-05	.007	.007	1.297E-08	11.27	.81	.50	.003
72	0.0	-8.07	0.00	-7.62	0.00	.38	0.00	4.346E-06	.002	.002	7.291E-10	11.56	.83	.50	.001
73	0.0	-8.95	0.00	-7.62	0.00	1.15	0.00	9.160E-04	.362	.362	3.239E-05	11.56	.83	.50	.149
74	0.0	-10.07	0.00	-7.62	0.00	2.37	0.00	1.493E-04	.059	.059	8.599E-07	11.56	.83	.50	.024
75	0.0	-11.40	0.00	-7.62	0.00	3.70	0.00	5.509E-05	.022	.022	1.214E-07	11.56	.83	.50	.009
76	0.0	-12.69	0.00	-7.62	0.00	4.99	0.00	3.138E-05	.012	.012	3.800E-08	11.56	.83	.50	.005
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	2.104E-05	.008	.008	1.709E-08	11.56	.83	.50	.003
78	0.0	-8.14	0.00	-7.62	3.59	.38	3.59	4.544E-03	1.861	1.796	8.262E-04	11.32	.82	.50	.724
79	0.0	-8.82	0.00	-7.62	3.63	1.17	3.63	1.017E-03	.417	.402	4.137E-05	11.32	.82	.50	.162
80	0.0	-10.07	0.00	-7.62	3.60	2.42	3.60	1.235E-04	.051	.049	6.105E-07	11.32	.82	.50	.020
81	0.0	-11.41	0.00	-7.62	3.55	3.76	3.55	5.971E-05	.024	.024	1.425E-07	11.33	.82	.50	.010
82	0.0	-12.73	0.00	-7.62	3.58	5.08	3.58	2.907E-05	.012	.011	3.381E-08	11.33	.82	.50	.005
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	2.700E-05	.011	.011	2.919E-08	11.32	.82	.50	.004
84	0.0	-7.90	0.00	-7.62	7.33	.31	7.33	4.496E-03	2.048	1.776	8.989E-04	10.50	.76	.50	.924
85	0.0	-8.59	0.00	-7.62	7.36	1.09	7.36	1.097E-03	.498	.433	5.359E-05	10.49	.76	.50	.226
86	0.0	-9.36	0.00	-7.62	7.36	2.36	7.36	1.927E-04	.088	.076	1.654E-06	10.49	.76	.50	.040
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	3.941E-05	.018	.016	5.911E-08	10.50	.76	.50	.008
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	2.113E-05	.010	.008	1.986E-08	10.50	.76	.50	.004
89	0.0	-13.15	0.00	-7.62	7.35	5.66	7.35	6.850E-06	.003	.003	2.096E-09	10.50	.76	.50	.001

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E PSI GAPS, RUN (59) 1973 PAGE 261

MACH = 10.298
RX E06 = 3.303E-01
RL E06 = 9.257E-02
RE/METER = 3.251E+06
HO = 2.554E+08(M/M2-. K)
TW = 298.6 (K)
STEP = .254(CM)

TT = 1.005E+03(K)
PI = 5.180E+06(N/M2)
TI = 4.735E+01(K)
PI = 0.983E+02(N/M2)
(RHO V)1 = 1.028E+01(KG/M2-S)
GAP = .457 (CM)
CONF =IN-L

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THW (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	1.575E-05	.008	.007	1.343E-08	10.26	.75	.50	.005
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	2.251E-05	.011	.009	2.429E-08	10.26	.75	.50	.007
11	7.5	0.00	7.62	0.00	-7.62	3.74	-7.55	3.710E-05	.018	.015	6.622E-08	10.26	.75	.50	.011
12	7.5	0.00	7.62	0.00	-7.62	2.36	-7.55	2.282E-05	.011	.009	2.496E-08	10.26	.75	.50	.007
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	2.402E-04	.118	.095	2.764E-06	10.26	.75	.50	.071
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	2.212E-03	1.085	.874	2.343E-04	10.26	.75	.50	.653
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	3.448E-03	1.660	1.359	5.580E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	3.188E-03	1.311	1.256	4.073E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.279E-03	1.296	1.295	4.151E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	3.223E-03	1.318	1.273	4.151E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.756E-03	1.250	1.089	3.366E-04	10.54	.77	.50	
20															
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	1.738E-04	.079	.068	1.342E-06	10.43	.76	.50	.064
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	5.985E-05	.027	.024	1.687E-07	10.43	.76	.50	.022
23	7.5	0.00	7.62	0.00	7.62	3.70	7.55	4.341E-05	.020	.017	8.457E-08	10.43	.76	.50	.016
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	4.242E-05	.019	.017	8.074E-08	10.43	.76	.50	.016
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	3.252E-05	.015	.013	4.774E-08	10.43	.76	.50	.012
26	7.5	-3.76	3.86	-3.76	-7.62	5.78	-8.05	2.047E-05	.014	.011	3.995E-08	10.09	.74	.50	.009
27	7.5	-3.80	3.82	-3.80	-7.62	5.04	-8.05	2.273E-05	.011	.009	2.546E-08	10.09	.73	.50	.008
28	7.5	-3.76	3.86	-3.76	-7.62	3.72	-8.05	3.358E-05	.017	.013	5.591E-08	10.09	.74	.50	.011
29	7.5	-3.81	3.81	-3.81	-7.62	2.44	-8.05	2.377E-05	.012	.009	2.707E-08	10.09	.73	.50	.008
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	1.919E-04	.097	.076	1.817E-06	10.09	.73	.50	.063
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.903E-03	.961	.752	1.786E-04	10.09	.73	.50	.629
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	3.093E-03	1.527	1.222	4.613E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-3.71	0.00	-4.19	3.540E-03	1.489	1.399	5.150E-04	11.14	.80	.50	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	3.713E-03	1.473	1.467	5.343E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.05	3.709E-03	1.539	1.497	5.697E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	3.133E-03	1.396	1.238	4.274E-04	10.68	.78	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	1.381E-03	.587	.514	7.458E-05	10.58	.77	.50	.428
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	1.474E-04	.067	.058	9.580E-07	10.58	.77	.50	.048
39	7.5	-3.80	3.82	-3.80	7.62	2.35	7.06	4.917E-05	.022	.019	1.066E-07	10.58	.77	.50	.016
40	7.5	-3.90	3.82	-3.90	7.62	3.62	7.06	5.369E-05	.024	.021	1.270E-07	10.58	.77	.50	.017
41	7.5	-3.67	3.95	-3.67	7.62	5.04	7.08	3.263E-05	.015	.013	4.696E-08	10.58	.77	.50	.011
42	7.5	-3.62	4.00	-3.62	7.62	5.69	7.08	2.571E-05	.012	.010	2.917E-08	10.58	.77	.50	.008
43	7.5	-7.35	.27	-7.35	-7.62	5.70	-8.51	9.173E-06	.005	.004	4.260E-09	9.92	.72	.50	.003
44	7.5	-7.33	.29	-7.33	-7.62	4.91	-8.51	1.584E-05	.008	.006	1.278E-08	9.92	.72	.50	.005
45	7.5	-7.32	.31	-7.32	-7.62	3.72	-8.51	3.743E-05	.019	.015	7.093E-08	9.92	.72	.50	.011
46	7.5	-7.36	.26	-7.36	-7.62	2.37	-8.51	9.241E-05	.048	.037	4.324E-07	9.92	.72	.50	.026

CFHT TEST (92), MRAC-E RSI GAPS, RUN (59) 1973 PAGE 262

PH	GAMMA (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	-7.35	.27	-7.35	-7.62	1.15	-8.51	3.340E-04	.173	.132	5.649E-06	9.92	.72	.50	.095
48	7.5	-7.26	.36	-7.26	-7.62	.33	-8.50	2.055E-03	1.064	.812	2.136E-04	9.93	.72	.50	.587
49	7.5	-7.27	.35	-7.27	-7.30	0.00	-8.19	3.567E-03	1.814	1.409	6.322E-04	10.04	.73	.50	
50	7.5	-7.33	.29	-7.33	-3.69	0.00	-4.61	6.815E-03	2.573	2.377	1.512E-03	11.05	.80	.50	
51	7.5	-7.40	.22	-7.40	0.00	0.00	-.97	6.181E-03	2.429	2.411	1.448E-03	11.53	.83	.50	
52	7.5	-7.58	.04	-7.58	3.58	0.00	2.56	6.566E-03	2.647	2.594	1.698E-03	11.45	.82	.50	
53	7.5	-7.16	.46	-7.16	7.24	0.00	6.25	6.592E-03	2.931	2.644	1.917E-03	10.80	.78	.50	
54	7.5	-7.26	.36	-7.26	7.62	.31	6.61	4.358E-03	1.938	1.726	8.269E-04	10.71	.78	.50	.661
55	7.5	-7.30	.32	-7.30	7.62	1.11	6.68	9.550E-04	.424	.378	3.961E-05	10.71	.78	.50	.145
56	7.5	-7.25	.37	-7.25	7.62	2.32	6.61	2.157E-04	.896	.885	2.017E-06	10.71	.78	.50	.033
57	7.5	-7.26	.36	-7.26	7.62	3.70	6.61	5.915E-05	.026	.023	1.517E-07	10.71	.78	.50	.009
58	7.5	-7.24	.38	-7.24	7.62	4.97	6.61	3.234E-05	.014	.013	4.534E-08	10.71	.78	.50	.005
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	3.305E-05	.015	.013	4.735E-08	10.71	.78	.5	.005
60	7.5	-7.45	3.30	-7.62	-7.14	.27	-8.08	2.526E-03	1.276	.998	3.149E-04	10.08	.73	.50	.704
61	7.5	-8.75	0.00	-7.62	-7.35	1.17	-8.28	5.594E-04	.286	.221	1.563E-05	10.01	.73	.50	.158
62	7.5	-9.92	0.00	-7.62	-7.13	2.34	-8.06	1.286E-04	.065	.051	8.157E-07	10.09	.73	.50	.036
63	7.5	-11.29	0.00	-7.62	-7.19	3.71	-8.12	3.256E-05	.017	.013	5.249E-08	10.06	.73	.50	.009
64	7.5	-12.63	0.00	-7.62	-7.14	5.02	-8.07	2.721E-05	.014	.011	3.653E-08	10.08	.73	.50	.008
65	7.5	-13.22	0.00	-7.62	-7.14	5.63	-8.07	1.572E-05	.008	.006	1.221E-08	10.08	.73	.50	.004
66	7.5	-7.39	0.00	-7.62	-3.44	.36	-4.41	4.533E-03	1.966	1.831	8.899E-04	11.09	.80	.50	.764
67	7.5	-8.81	0.00	-7.62	-3.44	1.19	-4.41	9.573E-04	.410	.382	3.879E-05	11.09	.80	.50	.160
68	7.5	-10.06	0.00	-7.62	-3.45	2.44	-4.41	1.591E-04	.072	.067	1.185E-06	11.09	.80	.50	.028
69	7.5	-11.35	0.00	-7.62	-3.50	3.74	-4.46	5.007E-05	.021	.020	1.042E-07	11.08	.80	.50	.008
70															
71	7.5	-13.42	0.00	-7.62	-3.40	5.81	-4.37	6.480E-06	.003	.003	1.738E-09	11.10	.80	.50	.001
72	7.5	-9.07	0.00	-7.62	0.00	.38	-.99	1.099E-05	.004	.004	4.780E-09	11.52	.83	.50	.002
73	7.5	-9.85	0.00	-7.62	0.00	1.15	-.99	9.271E-04	.369	.366	3.344E-05	11.52	.83	.50	.152
74	7.5	-10.97	0.00	-7.62	0.00	2.37	-.99	1.478E-04	.059	.058	8.413E-07	11.52	.83	.50	.024
75	7.5	-11.43	0.00	-7.62	0.00	3.70	-.99	5.890E-05	.023	.023	1.350E-07	11.52	.83	.50	.010
76	7.5	-12.69	0.00	-7.62	0.00	4.99	-.99	3.735E-05	.015	.015	5.427E-08	11.52	.83	.50	.006
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	2.908E-05	.012	.011	3.290E-08	11.52	.83	.50	.005
78	7.5	-8.04	0.00	-7.62	3.59	.38	2.57	4.779E-03	1.927	1.888	8.998E-04	11.45	.82	.50	.720
79	7.5	-8.92	0.00	-7.62	3.63	1.17	2.60	1.068E-03	.431	.422	4.498E-05	11.44	.82	.50	.163
80	7.5	-10.07	0.00	-7.62	3.60	2.42	2.58	1.520E-04	.065	.064	1.833E-06	11.45	.82	.50	.025
81	7.5	-11.41	0.00	-7.62	3.55	3.76	2.53	5.654E-05	.023	.022	1.259E-07	11.45	.82	.50	.009
82	7.5	-12.73	0.00	-7.62	3.58	5.08	2.55	2.311E-05	.009	.009	2.103E-08	11.45	.82	.50	.004
83	7.5	-13.44	0.00	-7.62	3.62	5.79	2.59	1.890E-05	.008	.007	1.408E-08	11.44	.82	.50	.003
84	7.5	-7.90	0.00	-7.62	7.33	.31	6.27	6.135E-03	2.589	2.424	1.612E-03	10.80	.78	.50	.917
85	7.5	-9.59	0.00	-7.62	7.36	1.09	6.38	1.430E-03	.628	.565	8.769E-05	10.79	.78	.50	.214
86	7.5	-9.86	0.00	-7.62	7.36	2.36	6.30	2.257E-04	.099	.089	2.183E-06	10.79	.78	.50	.034
87	7.5	-11.23	0.00	-7.62	7.33	3.74	6.27	4.249E-05	.019	.017	7.733E-08	10.80	.78	.50	.006
88	7.5	-12.52	0.00	-7.62	7.33	5.03	6.27	2.869E-05	.013	.011	3.524E-08	10.80	.78	.50	.004
89	7.5	-13.16	0.00	-7.62	7.35	5.66	6.29	1.448E-05	.006	.006	8.887E-09	10.79	.78	.50	.002

CFHY TEST (32), MDAC-E RSI GAPS, RUN (60) 1973 PAGE 263

MACH = 10.290
RX EQA = 3.299E-01
RL EQA = 8.248E-02
PE/METER = 3.247E+06
HO = 2.554E+00(M/M2- K)
TW = 298.1 (K)
STEP = .254(CM)

TT = 1.005E+03(K)
PI = 5.186E+06(N/M2)
T1 = 4.741E+01(K)
P1 = 0.985E+02(N/M2)
(RHO V)1 = 1.029E+01(KG/M2-S)
GAP = .457 (CM)
CONF = IN-L

TAW/TT = 0.895 FOR HT/HO
XSURF = SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.78	-7.36	1.715E-05	.008	.007	1.395E-08	10.32	.75	.50	.004
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	2.766E-05	.013	.011	3.630E-08	10.32	.75	.50	.006
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	3.951E-05	.019	.016	7.405E-08	10.32	.75	.50	.009
12	15.0	0.00	7.62	0.00	-7.62	2.36	-7.36	4.210E-05	.020	.017	8.409E-08	10.32	.75	.50	.009
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	4.161E-04	.201	.164	8.135E-06	10.32	.75	.50	.092
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	3.208E-03	1.558	1.268	4.882E-04	10.32	.75	.53	.716
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	4.540E-03	2.175	1.797	9.661E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	3.098E-03	1.271	1.221	3.837E-04	11.26	.81	.58	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.240E-03	1.283	1.283	4.067E-04	11.56	.83	.59	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	3.223E-03	1.317	1.273	4.144E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.554E-03	1.150	1.009	2.659E-04	10.59	.77	.58	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	9.554E-07	.000	.000	4.066E-11	10.49	.76	.50	.000
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	1.717E-04	.078	.068	1.313E-06	10.49	.76	.50	.069
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	7.230E-05	.033	.029	2.328E-07	10.49	.76	.50	.029
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	4.242E-05	.019	.017	8.017E-08	10.49	.76	.50	.017
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	3.317E-05	.015	.013	4.901E-08	10.49	.76	.50	.013
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	4.200E-05	.019	.017	7.656E-08	10.49	.76	.50	.017
26	15.0	-3.76	3.86	-3.76	-7.62	5.70	-8.33	2.794E-05	.014	.011	3.911E-08	9.99	.73	.50	.007
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	3.591E-05	.019	.015	6.838E-08	9.98	.73	.50	.009
28	15.0	-3.76	3.86	-3.76	-7.62	3.72	-8.33	2.153E-05	.011	.009	2.323E-08	9.99	.73	.50	.006
29	15.0	-3.81	3.81	-3.81	-7.62	2.44	-8.35	2.789E-05	.014	.011	3.899E-08	9.98	.73	.50	.007
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	3.265E-04	.168	.129	5.346E-06	9.98	.73	.50	.084
31	15.0	-3.97	3.75	-3.97	-7.62	.33	-8.36	2.788E-03	1.432	1.102	3.981E-04	9.98	.73	.50	.718
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	3.972E-03	1.995	1.569	7.740E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	3.338E-03	1.427	1.319	4.654E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	3.684E-03	1.468	1.456	5.281E-04	11.52	.83	.50	
35	15.0	-3.89	3.73	-3.89	3.59	0.00	2.46	3.875E-03	1.561	1.531	5.986E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.06	3.059E-03	1.333	1.209	3.982E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	1.160E-03	.510	.458	5.776E-05	10.77	.78	.50	.303
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	1.262E-04	.056	.050	6.849E-07	10.76	.78	.50	.042
39	15.0	-3.80	3.82	-3.80	7.62	2.35	6.38	6.821E-05	.030	.027	1.999E-07	10.77	.78	.50	.023
40	15.0	-3.80	3.82	-3.80	7.62	3.62	6.38	5.831E-05	.022	.020	1.087E-07	10.77	.78	.50	.017
41	15.0	-3.67	3.95	-3.67	7.62	5.04	6.41	4.578E-05	.020	.016	9.014E-08	10.76	.78	.50	.015
42	15.0	-3.62	4.01	-3.62	7.62	5.68	6.42	3.399E-05	.016	.014	5.573E-08	10.76	.78	.50	.012
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	1.771E-05	.010	.007	1.654E-08	9.63	.71	.59	.005
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	3.206E-05	.017	.013	5.421E-08	9.63	.71	.58	.009
45	15.0	-7.32	.30	-7.32	-7.62	3.72	-9.25	4.103E-05	.022	.016	8.875E-08	9.63	.71	.50	.012
46	15.0	-7.36	.26	-7.36	-7.62	2.37	-9.26	5.317E-05	.029	.021	1.492E-07	9.63	.71	.50	.015

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	-7.75	.27	-7.35	-7.62	1.16	-9.26	2.676E-04	.145	.186	3.778E-06	9.63	.71	.58	.876
48	15.0	-7.26	.36	-7.26	-7.62	.33	-9.24	2.236E-03	1.203	.881	2.620E-04	9.64	.71	.58	.630
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	3.603E-03	1.911	1.424	6.724E-04	9.7[illegible]	.71	.58	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	5.845E-03	2.592	2.310	1.488E-03	10.[illegible]	.79	.58	
51	15.0	-7.40	.22	-7.40	0.00	0.00	-1.92	5.971E-03	2.395	2.359	1.396E-03	11.46	.82	.58	
52	15.0	-7.59	.04	-7.58	3.58	0.00	1.58	6.935E-03	2.773	2.741	1.878E-03	11.53	.83	.58	
53															
54	15.0	-7.26	.36	-7.26	7.62	.31	5.48	4.960E-03	2.123	1.968	1.820E-03	10.98	.79	.58	.677
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	1.186E-03	.508	.469	5.882E-05	10.99	.79	.58	.162
56	15.0	-7.25	.37	-7.25	7.62	2.32	5.48	1.955E-04	.084	.077	1.549E-06	10.98	.79	.58	.027
57	15.0	-7.26	.35	-7.26	7.62	3.70	5.48	6.080E-05	.026	.024	1.545E-07	10.98	.79	.58	.008
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	4.953E-05	.021	.020	1.026E-07	10.98	.79	.58	.007
59	15.0	-7.25	.37	-7.25	7.62	5.62	5.48	2.694E-05	.012	.011	3.033E-08	10.98	.79	.58	.004
60	15.0	-7.65	0.06	-7.62	-7.14	.27	-8.87	2.502E-03	1.523	.989	3.232E-04	9.79	.72	.58	.692
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.87	3.956E-04	.212	.157	8.209E-06	9.71	.71	.58	.111
62	15.0	-9.92	0.00	-7.62	-7.13	2.34	-8.86	7.886E-05	.037	.028	2.590E-07	9.79	.72	.58	.020
63	15.0	-11.29	0.00	-7.62	-7.19	3.71	-8.92	4.835E-05	.021	.016	8.438E-08	9.77	.71	.58	.011
64	15.0	-12.60	0.00	-7.62	-7.14	5.02	-8.87	1.594E-05	.009	.007	1.481E-08	9.79	.72	.58	.005
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	1.312E-05	.007	.005	8.887E-09	9.79	.72	.58	.004
66	15.0	-7.98	0.00	-7.62	-3.44	.36	-5.30	4.547E-03	2.002	1.797	8.891E-04	10.98	.79	.58	.772
67	15.0	-8.91	0.00	-7.62	-3.44	1.19	-5.30	9.645E-04	.425	.381	3.999E-05	10.98	.79	.58	.164
68	15.0	-10.06	0.00	-7.62	-3.45	2.44	-5.30	1.679E-04	.074	.066	1.213E-06	10.98	.79	.58	.029
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	4.887E-05	.022	.019	1.030E-07	10.89	.79	.59	.008
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	4.789E-14	.000	.000	9.869E-26	10.90	.79	.58	.000
71	15.0	-13.92	0.00	-7.62	-3.40	5.81	-5.26	1.912E-05	.008	.008	1.570E-08	10.91	.79	.58	.003
72															
73	15.0	-8.85	0.00	-7.62	0.00	1.15	-1.97	9.002E-04	.361	.356	3.176E-05	11.45	.82	.58	.151
74	15.0	-10.07	0.00	-7.62	0.00	2.37	-1.97	1.504E-04	.060	.059	8.870E-07	11.45	.82	.58	.026
75	15.0	-11.40	0.00	-7.62	0.00	3.70	-1.97	5.592E-05	.023	.022	1.270E-07	11.45	.82	.58	.010
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	2.849E-05	.011	.011	3.181E-08	11.45	.82	.58	.005
77	15.0	-13.43	0.00	-7.62	0.00	5.74	-1.97	3.559E-05	.015	.014	5.248E-08	11.45	.82	.58	.006
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.58	5.867E-03	2.026	2.002	1.802E-03	11.53	.83	.58	.731
79	15.0	-8.92	0.00	-7.62	3.63	1.17	1.53	1.118E-03	.444	.439	4.814E-05	11.52	.83	.58	.160
80	15.0	-10.07	0.00	-7.62	3.60	2.52	1.51	1.359E-04	.054	.054	7.210E-07	11.53	.83	.58	.020
81	15.0	-11.41	0.00	-7.62	3.55	3.75	1.46	6.167E-05	.025	.024	1.485E-07	11.53	.83	.58	.009
82	15.0	-12.73	0.00	-7.62	3.58	5.00	1.48	2.714E-05	.011	.011	2.876E-08	11.53	.83	.58	.004
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	1.888E-05	.008	.007	1.392E-08	11.53	.83	.58	.003
84	15.0	-7.81	0.00	-7.62	7.33	.31	5.11	6.521E-03	2.887	2.695	1.923E-03	11.06	.80	.58	.921
85	15.0	-8.59	0.00	-7.62	7.36	1.09	5.14	1.374E-03	.667	.622	1.025E-04	11.06	.80	.58	.213
86	15.0	-9.36	0.00	-7.62	7.36	2.36	5.14	2.090E-04	.089	.083	1.807E-06	11.06	.80	.58	.028
87	15.0	-11.23	0.00	-7.62	7.33	3.74	5.11	5.261E-05	.022	.021	1.144E-07	11.06	.80	.58	.007
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	4.010E-05	.017	.016	6.674E-08	11.06	.80	.58	.005
89	15.0	-13.19	0.00	-7.62	7.35	5.66	5.13	1.726E-05	.008	.007	1.334E-08	11.06	.80	.58	.002

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E PSI GAPS, RUN (61) 1973 PAGE 265

MACH = 10.299 TT = 1.009E+03(K)
RX E06 = 3.290E-01 PI = 5.184E+06(N/M2)
RL E06 = 8.200E-02 T1 = 4.756E+01(K)
RE/METER = 3.228E+06 P1 = 0.984E+02(N/M2)
HO = 2.554E+00(M/M2- K) (RHO V)1 = 1.026E+01(KG/M2-S)
TW = 298.° (K) GAP = .457 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 CR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTY	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HF
9	30.0	0.00	7.62	0.00	-7.62	5.79	-6.60	1.421E-05	.007	.006	9.235E-09	10.56	.77	.58	.002
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	2.493E-05	.012	.010	2.844E-08	10.56	.77	.58	.004
11	30.3	0.00	7.62	0.00	-7.62	3.74	-6.60	2.152E-05	.010	.009	2.199E-08	10.56	.77	.58	.004
12	30.3	0.00	7.62	0.00	-7.62	2.36	-6.60	6.704E-05	.031	.026	2.857E-07	10.56	.77	.58	.011
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	7.664E-04	.358	.303	2.688E-05	10.56	.77	.58	.138
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	4.577E-03	2.140	1.808	9.586E-04	10.56	.77	.58	.777
15	30.0	0.00	7.62	0.00	-7.29	0.00	-6.32	5.374E-03	2.753	2.361	1.610E-03	10.64	.77	.58	
16	30.0	0.00	7.62	0.00	-3.63	0.00	-3.15	3.265E-03	1.333	1.298	4.261E-04	11.31	.81	.58	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.074E-03	1.215	1.215	3.654E-04	11.56	.83	.58	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	3.681E-03	1.252	1.218	3.776E-04	11.39	.82	.58	
19	30.3	0.00	7.62	0.00	7.27	0.00	6.29	2.336E-03	1.025	.923	2.343E-04	10.79	.78	.58	
20	30.0	0.00	7.62	0.00	7.62	.41	6.68	1.449E-06	.001	.001	9.117E-11	10.71	.78	.58	.001
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.515E-04	.067	.060	9.960E-07	10.71	.78	.58	.006
22	30.0	0.00	7.62	0.00	7.62	2.39	6.68	4.518E-05	.020	.018	8.862E-08	10.71	.78	.58	.020
23	30.0	0.00	7.62	0.00	7.62	3.78	6.60	3.556E-05	.016	.014	5.805E-08	10.71	.78	.58	.016
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	3.422E-05	.015	.014	5.044E-08	10.71	.78	.58	.015
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	2.394E-05	.011	.009	2.408E-08	10.71	.78	.58	.010
26	30.0	-3.75	3.86	-3.76	-7.62	5.70	-8.48	1.894E-05	.010	.007	1.816E-08	9.93	.72	.58	.004
27	30.0	-3.80	3.82	-3.80	-7.62	5.04	-8.50	1.933E-05	.010	.008	1.933E-08	9.93	.72	.58	.004
28	30.0	-3.76	3.86	-3.76	-7.62	3.72	-8.48	3.558E-05	.018	.014	6.417E-08	9.93	.72	.58	.007
29	30.0	-3.81	3.81	-3.81	-7.62	2.44	-8.51	3.256E-05	.017	.013	5.377E-08	9.93	.72	.58	.007
30	30.3	-3.83	3.79	-3.83	-7.62	1.16	-8.51	6.266E-04	.325	.248	1.992E-05	9.92	.72	.58	.129
31	30.3	-3.87	3.75	-3.87	-7.62	.33	-8.53	3.841E-03	1.993	1.518	7.492E-04	9.91	.72	.58	.793
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	4.946E-03	2.513	1.954	1.217E-03	10.05	.73	.58	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	3.111E-03	1.582	1.229	4.147E-04	10.93	.79	.58	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	3.494E-03	1.402	1.331	4.797E-04	11.45	.82	.58	
35	30.3	-3.89	3.73	-3.89	3.59	0.00	1.17	3.937E-03	1.570	1.556	5.851E-04	11.54	.83	.58	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	3.878E-03	1.283	1.216	3.866E-04	11.19	.81	.58	
37	30.3	-3.79	3.83	-3.79	7.62	.37	4.70	1.066E-03	.447	.421	4.663E-05	11.14	.80	.58	.348
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	1.469E-04	.062	.058	8.860E-07	11.14	.80	.58	.048
39	30.3	-3.93	3.82	-3.80	7.62	2.35	4.70	5.306E-05	.022	.021	1.155E-07	11.14	.80	.58	.017
40	30.0	-3.80	3.82	-3.80	7.62	3.62	4.70	3.964E-05	.017	.016	6.450E-08	11.14	.80	.58	.013
41	30.4	-3.67	3.95	-3.67	7.62	5.44	4.77	2.519E-05	.011	.010	2.809E-08	11.13	.80	.58	.009
42	30.0	-3.62	4.00	-3.62	7.62	5.68	4.79	4.022E-05	.017	.016	6.653E-08	11.13	.80	.58	.013
43	30.1	-7.35	.27	-7.35	-7.62	5.70	-10.27	1.186E-05	.007	.005	7.848E-09	9.20	.68	.58	.003
44	30.3	-7.33	.29	-7.33	-7.62	4.91	-10.26	2.304E-05	.013	.009	2.958E-08	9.21	.68	.58	.006
45	30.4	-7.32	.31	-7.32	-7.62	3.72	-10.26	3.987E-05	.023	.016	8.859E-08	9.21	.68	.58	.011
46	30.1	-7.36	.26	-7.36	-7.62	2.37	-10.28	2.945E-05	.016	.011	4.517E-08	9.20	.68	.58	.008

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST . MDAC-E RSI GAPS, RUN (61) 1973 PAGE 266

CH	GAMMA (DEG)	XSURF (CM)	+B (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	-7.35	.27	-7.35	-7.62	1.15	-10.27	2.393E-04	.136	.095	3.193E-06	9.20	.68	.50	.067
48	30.0	-7.26	.36	-7.26	-7.62	.33	-10.23	2.364E-03	1.344	.934	3.111E-04	9.22	.68	.50	.661
49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	3.629E-03	2.034	1.434	7.225E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	4.774E-03	2.261	1.886	1.057E-03	10.48	.76	.50	
51	30.0	-7.40	.22	-7.40	0.00	0.00	-3.78	5.895E-03	2.435	2.329	1.405E-03	11.22	.81	.50	
52	30.0	-7.58	.04	-7.58	3.58	0.00	-.69	7.379E-03	2.932	2.916	2.118E-03	11.54	.83	.50	
53															
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	5.102E-03	2.070	2.016	1.834E-03	11.40	.82	.50	.674
55	30.0	-7.30	.32	-7.30	7.62	1.11	2.95	1.467E-03	.595	.580	8.558E-05	11.41	.82	.50	.194
56	30.0	-7.25	.37	-7.25	7.62	2.32	2.97	2.392E-04	.097	.095	2.273E-06	11.40	.82	.50	.032
57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	4.514E-05	.019	.018	8.456E-08	11.40	.82	.50	.006
58	30.0	-7.24	.38	-7.24	7.62	4.97	2.98	2.978E-05	.012	.012	3.584E-08	11.40	.82	.50	.004
59	30.0	-7.25	.37	-7.25	7.62	5.62	2.97	3.233E-05	.013	.013	4.152E-08	11.40	.82	.50	.004
60	30.0	-7.85	0.00	-7.62	-7.14	.27	-10.00	2.473E-03	1.389	.977	3.363E-04	9.32	.69	.50	.683
61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	2.752E-04	.156	.109	4.281E-06	9.25	.68	.50	.077
62	30.0	-9.92	0.00	-7.62	-7.13	2.34	-9.98	2.468E-05	.014	.010	3.346E-08	9.33	.69	.50	.007
63	30.0	-11.29	0.00	-7.62	-7.19	3.71	-10.04	4.149E-05	.023	.016	9.407E-08	9.31	.68	.50	.011
64	30.0	-12.60	0.00	-7.62	-7.14	5.02	-9.99	3.158E-05	.018	.012	5.454E-08	9.33	.69	.50	.009
65	30.0	-13.22	0.00	-7.62	-7.14	5.63	-9.99	1.185E-05	.007	.005	7.715E-09	9.32	.69	.50	.003
66	30.0	-7.99	0.00	-7.62	-3.44	.36	-6.79	3.548E-03	1.719	1.438	6.125E-04	10.50	.76	.50	.760
67	30.0	-8.81	0.00	-7.62	-3.44	1.19	-6.79	7.317E-04	.345	.289	2.474E-05	10.50	.76	.50	.153
68	30.0	-10.06	0.00	-7.62	-3.45	2.44	-6.80	1.801E-04	.087	.060	4.632E-07	10.50	.76	.50	.021
69	30.0	-11.35	0.00	-7.62	-3.50	3.74	-6.84	5.099E-05	.024	.020	1.285E-07	10.49	.76	.50	.011
70	30.0	-12.65	0.00	-7.62	-3.46	5.04	-6.81	4.447E-14	.000	.000	9.146E-26	10.50	.76	.50	.000
71	30.0	-13.42	0.00	-7.62	-3.40	5.81	-6.76	2.289E-05	.011	.009	2.416E-08	10.51	.76	.50	.005
72	30.0	-8.07	0.00	-7.62	0.00	.38	-3.81	4.097E-06	.002	.002	9.723E-10	11.21	.81	.50	.001
73	30.0	-8.85	0.00	-7.62	0.00	1.15	-3.81	8.752E-04	.362	.346	3.185E-05	11.21	.81	.50	.149
74	30.0	-10.07	0.00	-7.62	0.00	2.37	-3.81	1.355E-04	.056	.054	7.441E-07	11.21	.81	.50	.023
75	30.0	-11.40	0.00	-7.62	0.00	3.70	-3.81	3.682E-05	.015	.015	5.496E-08	11.21	.81	.50	.006
76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	3.201E-05	.013	.013	4.154E-08	11.21	.81	.50	.005
77	30.0	-13.43	0.00	-7.62	0.00	5.74	-3.81	2.764E-05	.011	.011	3.096E-08	11.21	.81	.50	.005
78	30.0	-8.04	0.00	-7.62	3.59	.38	-.70	5.446E-03	2.163	2.151	1.153E-03	11.54	.83	.50	.738
79	30.0	-8.82	0.00	-7.62	3.63	1.17	-.67	1.191E-03	.473	.471	5.513E-05	11.54	.83	.50	.161
80	30.0	-10.07	0.00	-7.62	3.60	2.42	-.69	1.310E-04	.060	.060	8.466E-07	11.54	.83	.50	.020
81	30.0	-11.41	0.00	-7.62	3.55	3.76	-.73	4.748E-05	.019	.019	8.739E-08	11.54	.83	.50	.006
82	30.0	-12.73	0.00	-7.62	3.58	5.08	-.71	2.413E-05	.010	.010	2.265E-08	11.54	.83	.50	.003
83	30.0	-13.44	0.00	-7.62	3.62	5.79	-.68	6.126E-06	.002	.002	1.459E-09	11.54	.83	.50	.001
84	30.0	-7.88	0.00	-7.62	7.33	.31	2.54	7.104E-03	2.863	2.807	1.991E-03	11.45	.82	.50	.933
85	30.0	-8.58	0.00	-7.62	7.36	1.09	2.56	1.648E-03	.664	.651	1.072E-04	11.45	.82	.50	.216
86	30.0	-9.86	0.00	-7.62	7.36	2.36	2.56	1.942E-04	.078	.077	1.409E-06	11.45	.82	.50	.026
87	30.0	-11.23	0.00	-7.62	7.33	3.74	2.54	4.206E-05	.017	.017	6.978E-08	11.45	.82	.50	.006
88	30.0	-12.52	0.00	-7.62	7.33	5.03	2.54	3.155E-05	.013	.013	3.951E-08	11.45	.82	.50	.004
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

CENT TEST (921), MOAC-E PSI GAPS, RUN (62) 1973 PAGE 187

MACH	= 17.290	TT	= 1.009E+03(K)
RX E06	= 3.278E-01	PI	= 5.184E+06(N/M2)
RL E06	= 8.195E-02	TI	= 4.757E+01(K)
RE/METER	= 3.226E+06	PI	= 0.984E+02(N/M2)
HO	= 2.554E+00(W/M2- K)	(PHO V)I	= 1.026E+01(KG/M2-S)
TW	= 297.2 (K)	GAP	= .457 (CM)
STEP	= .254(CM)	CONF	=IN-1

TAW/TI =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.70	7.62	3.913E-05	.018	.015	6.903E-08	10.41	.76	.50	.014
10	0.0	0.00	7.62	0.00	7.62	5.03	7.62	4.152E-05	.019	.016	7.807E-08	10.41	.76	.50	.015
11	0.0	0.00	7.62	0.00	7.62	3.74	7.62	3.778E-05	.017	.015	6.435E-08	10.41	.76	.50	.014
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	6.412E-05	.030	.025	1.853E-07	10.41	.76	.50	.024
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	1.921E-04	.088	.076	1.664E-06	10.41	.76	.50	.071
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.434E-03	.660	.567	9.267E-05	10.41	.76	.50	.531
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	2.732E-03	1.243	1.080	3.326E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	3.282E-03	1.345	1.297	4.323E-04	11.32	.82	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.304E-03	1.305	1.305	4.223E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	3.237E-03	1.333	1.279	4.226E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	2.539E-03	1.227	1.003	3.051E-04	10.35	.75	.50	
20															
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	1.752E-04	.086	.069	1.479E-06	10.24	.74	.50	.070
22	0.0	0.00	7.62	0.00	-7.62	2.39	-7.62	4.575E-05	.023	.018	1.053E-07	10.24	.74	.50	.019
23	0.0	0.00	7.62	0.00	-7.62	3.70	-7.62	3.035E-05	.015	.012	4.437E-08	10.24	.74	.50	.012
24	0.0	0.00	7.62	0.00	-7.62	5.07	-7.62	2.532E-05	.012	.010	3.089E-08	10.24	.74	.50	.010
25	0.0	0.00	7.62	0.00	-7.62	5.73	-7.62	2.876E-05	.014	.011	3.584E-08	10.24	.74	.50	.012
26	0.0	3.76	11.38	3.76	7.62	5.70	7.62	2.289E-05	.011	.009	2.362E-08	10.41	.76	.50	.007
27	0.0	3.80	11.42	3.80	7.62	5.04	7.62	3.145E-05	.014	.012	4.459E-08	10.41	.76	.50	.010
28	0.0	3.76	11.38	3.76	7.62	3.72	7.62	1.570E-05	.008	.007	1.257E-08	10.41	.76	.50	.005
29	0.0	3.81	11.43	3.81	7.62	2.44	7.62	3.829E-05	.018	.015	6.608E-08	10.41	.76	.50	.012
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	2.501E-04	.123	.106	3.239E-06	10.41	.76	.50	.084
31	0.0	3.87	11.49	3.87	7.62	.33	7.62	2.015E-03	.928	.796	1.830E-04	10.41	.76	.50	.635
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	3.217E-03	1.461	1.271	4.601E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.812E-03	1.154	1.111	3.177E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.864E-03	1.132	1.132	3.174E-04	11.56	.83	.50	
35	0.0	3.89	11.51	3.89	-3.59	0.00	-3.59	2.872E-03	1.184	1.135	3.338E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	2.846E-03	1.377	1.125	3.837E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	1.540E-03	.807	.648	1.295E-04	10.24	.74	.50	.586
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	2.039E-04	.100	.081	2.803E-06	10.24	.74	.50	.073
39	0.0	3.80	11.42	3.80	-7.62	2.35	-7.62	4.642E-05	.024	.019	1.129E-07	10.24	.74	.50	.017
40	0.0	3.80	11.42	3.80	-7.62	3.62	-7.62	3.259E-05	.016	.013	5.116E-08	10.24	.74	.50	.012
41	0.0	3.67	11.29	3.67	-7.62	5.04	-7.62	2.871E-05	.010	.008	2.866E-08	10.24	.74	.50	.007
42	0.0	3.62	11.24	3.62	-7.62	5.68	-7.62	1.492E-05	.007	.006	1.073E-08	10.24	.74	.50	.005
43	0.0	7.35	14.97	7.35	7.62	5.70	7.62	1.986E-05	.009	.008	1.637E-08	10.41	.76	.50	.009
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	1.168E-05	.005	.005	6.146E-09	10.41	.76	.50	.005
45	0.0	7.32	14.94	7.32	7.62	3.72	7.62	4.448E-05	.020	.018	8.919E-08	10.41	.76	.50	.020
46	0.0	7.36	14.98	7.36	7.62	2.37	7.62	6.418E-05	.030	.025	1.852E-07	10.41	.76	.50	.029
47	0.0	7.35	14.97	7.35	7.62	1.16	7.62	2.949E-04	.136	.117	3.921E-06	10.41	.76	.50	.134

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

DEMT TEST (92), MDAC-E PSI GAPS, RUN (62) 1973 PAGE 188

CM	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HQ	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	0.0	7.26	14.88	7.26	7.62	.33	7.62	1.483E-03	.683	.586	9.913E-05	10.41	.76	.50	.675
49	0.0	7.2?	14.89	7.27	7.30	0.00	7.30	2.222E-03	1.011	.878	2.200E-04	10.51	.76	.50	
50	0.0	7.33	14.95	7.33	3.69	0.00	3.69	1.564E-03	.641	.618	9.819E-05	11.31	.82	.50	
51	0.0	7.40	15.02	7.40	0.00	0.00	0.00	1.571E-03	.621	.621	9.549E-05	11.56	.83	.50	
52	0.0	7.58	15.2.	7.58	-3.58	0.00	-3.58	1.653E-03	.681	.653	1.102E-04	11.24	.81	.50	
53	0.0	7.16	14.78	7.16	-7.24	0.00	-7.24	2.040E-03	.985	.806	1.968E-04	10.36	.75	.50	
54	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	1.646E-03	.810	.658	1.304E-04	10.24	.74	.50	.822
55	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	3.233E-04	.159	.128	5.834E-06	10.24	.74	.50	.161
56	0.0	7.25	14.87	7.25	-7.62	2.32	-7.62	4.186E-05	.821	.817	8.439E-08	10.24	.74	.50	.821
57	0.0	7.25	14.88	7.26	-7.62	3.70	-7.62	2.718E-05	.013	.011	3.558E-08	10.24	.74	.50	.014
58	0.0	7.24	14.86	7.24	-7.62	4.97	-7.62	1.447E-05	.007	.006	1.898E-08	10.24	.74	.50	.007
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	1.861E-05	.009	.007	1.668E-08	10.24	.74	.50	.009
60	0.0	7.45	15.24	7.62	7.14	.27	7.14	1.116E-03	.585	.441	5.521E-05	10.56	.77	.50	.504
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	2.271E-04	.184	.098	2.303E-06	10.50	.76	.50	.102
62	0.0	9.92	15.24	7.62	7.13	2.34	7.13	5.080E-05	.023	.020	1.193E-07	10.56	.77	.50	.023
63	0.0	11.29	15.24	7.62	7.19	3.71	7.19	3.149E-05	.014	.012	4.401E-08	10.54	.77	.50	.014
64	0.0	12.60	15.24	7.62	7.14	5.02	7.14	4.185E-05	.019	.017	7.759E-08	10.56	.77	.50	.019
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	1.857E-05	.008	.007	1.544E-08	10.56	.77	.50	.008
66	0.0	7.98	15.24	7.62	3.44	.36	3.44	5.255E-04	.215	.200	1.185E-05	11.35	.82	.50	.335
67	0.0	8.81	15.24	7.62	3.44	1.19	3.44	2.482E-04	.101	.098	2.466E-06	11.35	.82	.50	.158
68	0.0	10.06	15.24	7.62	3.45	2.44	3.45	7.819E-05	.032	.031	2.447E-07	11.34	.82	.50	.050
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	4.330E-05	.018	.017	7.510E-08	11.34	.82	.50	.028
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	1.466E-06	.001	.001	8.605E-11	11.34	.82	.50	.001
71	0.0	13.42	15.24	7.62	3.40	5.81	3.40	2.376E-05	.218	.009	2.257E-08	11.35	.82	.50	.015
72															
73	0.0	8.85	15.24	7.62	0.00	1.15	0.00	2.369E-04	.094	.094	2.171E-06	11.56	.83	.50	.151
74	0.0	10.07	15.24	7.62	0.00	2.37	0.00	5.909E-05	.023	.023	1.351E-07	11.56	.83	.50	.038
75	0.0	11.40	15.24	7.62	0.00	3.70	0.00	4.428E-05	.017	.017	7.587E-08	11.56	.83	.50	.028
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	2.941E-05	.012	.012	3.348E-08	11.56	.83	.50	.019
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	2.376E-05	.009	.009	2.185E-08	11.56	.83	.50	.015
78	0.0	8.04	15.24	7.62	-3.59	.38	-3.59	5.513E-04	.231	.222	1.272E-05	11.24	.81	.50	.348
79	0.0	8.82	15.24	7.62	-3.63	1.17	-3.63	2.154E-04	.085	.082	1.721E-06	11.24	.81	.50	.125
80	0.0	10.07	15.24	7.62	-3.60	2.42	-3.60	4.299E-05	.018	.017	7.460E-08	11.24	.81	.50	.026
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	2.193E-05	.009	.009	1.940E-08	11.25	.81	.50	.013
82	0.0	12.73	15.24	7.62	-3.58	5.09	-3.58	2.437E-05	.010	.010	2.396E-08	11.24	.81	.50	.015
83	0.0	13.44	15.24	7.62	-3.62	5.79	-3.62	1.827E-05	.008	.007	1.348E-08	11.24	.81	.50	.011
84	0.0	7.90	15.24	7.62	-7.33	.31	-7.33	1.146E-03	.556	.453	6.236E-05	10.33	.75	.50	.564
85	0.0	8.59	15.24	7.62	-7.36	1.09	-7.36	2.036E-04	.099	.080	1.972E-06	10.32	.75	.50	.100
86	0.0	9.96	15.24	7.62	-7.36	2.36	-7.36	4.827E-05	.023	.019	1.108E-07	10.32	.75	.50	.024
87	0.0	11.23	15.24	7.62	-7.33	3.74	-7.33	2.881E-05	.014	.011	3.942E-08	10.33	.75	.50	.014
88	0.0	12.52	15.24	7.62	-7.33	5.03	-7.33	1.743E-05	.008	.007	1.443E-08	10.33	.75	.50	.009
89	0.0	13.16	15.24	7.62	-7.35	5.66	-7.35	1.959E-05	.010	.008	1.844E-08	10.33	.75	.50	.010

321

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 189

TILE COORDINATES(GAMMA=0.0
XB = Y-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

NU	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	3.535E-05	.016	.014	5.621E-08	10.43	.76	.50	.015
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	3.287E-05	.015	.013	4.859E-08	10.43	.76	.50	.014
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	4.834E-05	.022	.019	1.051E-07	10.43	.76	.50	.021
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	6.858E-05	.031	.027	2.116E-07	10.43	.76	.50	.029
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	1.373E-04	.063	.054	8.477E-07	10.43	.76	.50	.059
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.125E-03	.517	.445	5.706E-05	10.43	.76	.50	.481
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.370E-03	1.076	.937	2.497E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.30	3.63	0.00	3.60	3.307E-03	1.355	1.387	4.307E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.294E-03	1.382	1.382	4.199E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	3.00	-3.51	3.213E-03	1.322	1.270	4.161E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	3.322E-03	1.681	1.313	5.209E-04	10.37	.75	.50	.000
20	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	4.057E-07	.000	.000	7.945E-12	10.26	.75	.50	.000
21	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	2.503E-04	.120	.103	3.253E-06	10.26	.75	.50	.012
22	7.5	0.00	7.62	0.00	-7.62	3.70	-7.55	3.759E-05	.018	.015	6.787E-08	10.26	.75	.50	.012
23	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	4.307E-05	.021	.017	8.907E-08	10.26	.75	.50	.013
24	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	4.121E-05	.020	.016	8.156E-08	10.26	.75	.50	.013
25	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	2.533E-05	.012	.010	3.880E-08	10.26	.75	.50	.008
26	7.5	3.76	11.38	3.76	7.62	5.70	8.05	2.965E-05	.014	.012	4.070E-08	10.28	.75	.50	.012
27	7.5	3.81	11.42	3.90	7.62	5.04	8.05	3.568E-05	.017	.014	5.896E-08	10.28	.75	.50	.015
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	4.150E-05	.020	.016	7.975E-08	10.28	.75	.50	.017
29	7.5	3.81	11.43	3.91	7.62	2.44	8.05	5.510E-05	.027	.022	1.458E-07	10.28	.75	.50	.023
30	7.5	3.83	11.45	3.93	7.62	1.16	8.05	1.790E-04	.082	.069	1.493E-06	10.27	.75	.50	.072
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.330E-03	.617	.515	7.881E-05	10.27	.75	.50	.538
32	7.5	3.79	11.41	3.79	7.24	3.00	7.87	2.483E-03	1.147	.961	2.709E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.774E-03	1.158	1.096	3.123E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.805E-03	1.113	1.108	3.857E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.85	2.986E-03	1.217	1.188	3.558E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	4.244E-03	1.997	1.677	8.301E-04	10.52	.76	.50	.725
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	3.025E-03	1.447	1.195	4.207E-04	10.42	.76	.50	
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	3.937E-04	.188	.156	7.266E-06	10.42	.76	.50	.094
39	7.5	3.83	11.42	3.88	-7.62	2.35	-7.06	2.807E-05	.013	.011	3.693E-08	10.42	.76	.50	.007
40	7.5	3.84	11.42	3.80	-7.62	3.62	-7.06	2.526E-05	.013	.010	3.231E-08	10.42	.76	.50	.006
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.00	1.965E-05	.009	.008	1.811E-08	10.41	.76	.50	.005
42	7.5	3.62	11.24	3.62	-7.62	5.68	-7.00	1.586E-05	.008	.006	1.110E-08	10.41	.76	.50	.004
43	7.5	3.74	11.37	3.74	-7.62	5.70	-7.00	1.557E-05	.008	.006	1.171E-08	10.41	.76	.50	.012
44	7.5	7.33	14.97	7.35	7.62	5.70	8.51	1.557E-05	.008	.006	1.171E-08	10.12	.74	.50	.020
45	7.5	7.37	14.94	7.33	7.62	4.91	8.51	2.716E-05	.013	.011	3.515E-08	10.12	.74	.50	.027
46	7.5	7.39	14.98	7.32	7.62	3.72	8.51	3.593E-05	.018	.015	6.498E-08	10.12	.74	.50	.035
47	7.5	7.36	14.93	7.36	7.62	2.37	8.51	4.778E-05	.023	.019	1.084E-07	10.12	.74	.50	.130
48	7.5	7.35	14.97	7.35	7.62	1.16	8.51	1.757E-04	.086	.069	1.472E-06	10.12	.74	.50	

PAGE 190

CFHT TEST (321), MACH-E PSI GAPS, RUN (63) 1973

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	7.5	7.25	14.89	7.26	7.62	.33	8.50	7.689E-04	.364	.296	2.671E-05	10.12	.74	.50	.553
49	7.5	7.27	14.89	7.27	7.30	0.00	8.19	1.381E-03	.659	.546	8.904E-05	10.23	.75	.50	
50	7.5	7.33	14.95	7.33	3.69	0.00	4.61	1.482E-03	.620	.586	9.003E-05	11.16	.81	.50	
51	7.5	7.40	15.02	7.40	0.00	0.00	.97	1.542E-03	.614	.609	9.272E-05	11.55	.83	.50	
52	7.5	7.50	15.20	7.50	-3.58	0.00	-2.56	1.832E-03	.739	.724	1.325E-04	11.39	.82	.50	
53	7.5	7.16	14.78	7.16	-7.24	0.00	-6.25	3.883E-03	1.680	1.376	5.458E-04	10.66	.77	.50	
54	7.5	7.26	14.89	7.26	-7.62	.31	-6.61	3.007E-03	1.406	1.188	4.141E-04	10.56	.77	.50	.879
55	7.5	7.30	14.92	7.30	-7.62	1.11	-6.60	6.074E-04	.284	.240	1.689E-05	10.56	.77	.50	.177
56	7.5	7.25	14.87	7.25	-7.62	2.32	-6.61	2.543E-05	.012	.010	3.199E-08	10.56	.77	.50	.008
57	7.5	7.26	14.88	7.26	-7.62	3.79	-6.61	2.795E-05	.013	.011	3.578E-08	10.56	.77	.50	.008
58	7.5	7.24	14.86	7.24	-7.62	4.97	-6.61	1.859E-05	.009	.007	1.584E-08	10.55	.77	.50	.005
59	7.5	7.25	14.87	7.25	-7.62	5.62	-6.61	1.990E-05	.009	.008	1.814E-08	10.55	.77	.50	.006
60	7.5	7.85	15.24	7.62	7.14	.27	8.08	5.943E-04	.277	.231	1.584E-05	10.27	.75	.50	.420
61	7.5	8.75	15.24	7.62	7.35	1.17	8.28	1.551E-04	.088	.066	1.296E-06	10.20	.75	.50	.121
62	7.5	9.92	15.24	7.62	7.13	2.34	8.06	4.048E-05	.019	.016	7.594E-09	10.27	.75	.50	.029
63	7.5	11.29	15.24	7.62	7.19	3.71	8.12	2.785E-05	.013	.011	3.610E-08	10.25	.75	.50	.020
64	7.5	12.60	15.24	7.62	7.14	5.02	8.07	2.849E-05	.013	.011	3.765E-08	10.27	.75	.50	.020
65	7.5	13.22	15.24	7.62	7.14	5.63	8.07	1.449E-05	.007	.006	9.743E-09	10.27	.75	.50	.010
66	7.5	7.38	15.24	7.62	3.44	.36	4.41	4.808E-04	.200	.198	9.431E-06	11.20	.81	.50	.323
67	7.5	8.81	15.24	7.62	3.44	1.19	4.41	2.329E-04	.097	.092	2.213E-06	11.20	.81	.50	.156
68	7.5	10.38	15.24	7.62	3.45	2.44	4.41	5.546E-05	.024	.022	1.301E-07	11.19	.81	.50	.038
69	7.5	11.35	15.24	7.62	3.50	3.74	4.46	4.090E-05	.017	.016	6.833E-08	11.19	.81	.50	.028
70	7.5	12.65	15.24	7.62	3.46	5.04	4.43	2.241E-07	.000	.000	2.050E-12	11.19	.81	.50	.000
71	7.5	13.42	15.24	7.62	3.40	5.81	4.37	1.021E-05	.004	.004	4.249E-09	11.20	.81	.50	.007
72															
73	7.5	8.85	15.24	7.62	0.00	1.15	.99	2.322E-04	.092	.092	2.103E-06	11.55	.83	.50	.151
74	7.5	10.07	15.24	7.62	0.00	2.37	.99	4.611E-05	.018	.017	7.588E-08	11.55	.83	.50	.029
75	7.5	11.40	15.24	7.62	0.00	3.70	.99	2.402E-05	.010	.009	2.251E-08	11.55	.83	.50	.016
76	7.5	12.69	15.24	7.62	0.00	4.99	.99	3.095E-05	.012	.012	3.736E-08	11.55	.83	.50	.020
77	7.5	13.43	15.24	7.62	0.00	5.74	.99	2.898E-05	.012	.011	3.275E-08	11.55	.83	.50	.019
78	7.5	8.04	15.24	7.62	-3.59	.38	-2.57	6.334E-04	.255	.250	1.584E-05	11.39	.82	.50	.346
79	7.5	8.82	15.24	7.62	-3.63	1.17	-2.60	2.009E-04	.081	.079	1.595E-06	11.38	.82	.50	.110
80	7.5	10.07	15.24	7.62	-3.60	2.42	-2.58	3.213E-05	.013	.013	4.078E-08	11.39	.82	.50	.018
81	7.5	11.41	15.24	7.62	-3.55	3.76	-2.53	2.239E-05	.009	.009	1.972E-08	11.39	.82	.50	.012
82	7.5	12.73	15.24	7.62	-3.58	5.09	-2.55	1.818E-05	.007	.007	1.305E-08	11.39	.82	.50	.010
83	7.5	13.44	15.24	7.62	-3.62	5.79	-2.59	1.350E-05	.008	.008	1.518E-08	11.38	.82	.50	.011
84	7.5	7.80	15.24	7.62	-7.33	.31	-6.27	1.978E-03	.910	.782	1.762E-04	10.65	.77	.50	.569
85	7.5	8.58	15.24	7.62	-7.36	1.09	-6.30	3.193E-04	.147	.126	4.599E-06	10.64	.77	.50	.092
86	7.5	9.96	15.24	7.62	-7.36	2.36	-6.30	3.101E-05	.014	.012	4.337E-08	10.64	.77	.50	.009
87	7.5	11.23	15.24	7.62	-7.33	3.74	-6.27	3.165E-05	.015	.013	4.513E-08	10.65	.77	.50	.009
88	7.5	12.52	15.24	7.62	-7.33	5.03	-6.27	1.041E-05	.005	.004	4.884E-09	10.65	.77	.50	.003
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

RFHT TEST (92), MDAC-E RSI GAPS, RUN (64) 1973 PAGE 191

MACH = 10.290 TT = 1.010E+03(K)
RE/FT = 3.277E-01 PI = 5.187E+05(N/M2)
RE FOR = 8.432E-02 T1 = 4.760E+01(K)
RE/METER = 3.225E+06 P1 = 0.984E+02(N/M2)
H0 = 2.556E+08(W/M2- K) (PHO W1 = 1.825E+01(KG/M2-S)
PW = 2394.6 (K) GAP = .457 (CM)
CTEP = .254(CM) CONF = IN-L

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

*WARN =1.195 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HF (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	1.962E-05	.009	.008	1.719E-08	10.49	.76	.50	.009
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	4.316E-05	.010	.016	7.289E-08	10.49	.76	.50	.018
11	15.0	0.00	7.62	0.00	7.62	3.74	7.36	9.246E-05	.019	.017	0.043E-08	10.49	.76	.50	.019
12	15.0	0.00	7.62	0.00	7.62	2.36	7.36	6.359E-05	.030	.026	1.926E-07	10.49	.76	.50	.030
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	1.200E-04	.059	.051	7.482E-07	10.49	.76	.50	.059
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	9.722E-04	.443	.384	4.219E-05	10.49	.76	.50	.445
15	15.0	0.00	7.62	0.00	7.62	0.00	7.04	2.208E-03	.995	.872	2.152E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	7.62	0.00	3.51	3.247E-03	1.320	1.283	4.221E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	7.62	0.00	0.00	3.259E-03	1.208	1.208	4.108E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	7.62	0.00	-3.42	3.066E-03	1.259	1.211	3.779E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.62	0.00	-7.02	4.416E-03	2.189	1.745	9.114E-04	10.43	.76	.50	
20	15.0	0.00	7.62	0.00	-7.62	1.17	-7.35	4.373E-04	.212	.173	9.091E-06	10.32	.75	.50	.101
21	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	7.095E-06	.004	.003	2.984E-09	10.32	.75	.50	.002
22	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	1.535E-05	.008	.007	1.366E-08	10.32	.75	.50	.004
23	15.0	0.00	7.62	0.00	-7.62	5.07	-7.36	2.209E-05	.011	.009	2.320E-08	10.32	.75	.50	.005
24	15.0	0.00	7.62	0.00	-7.62	5.73	-7.36	1.532E-05	.008	.006	1.267E-08	10.32	.75	.50	.004
25	15.0	0.00	7.62	0.00	-7.62	5.70	8.33	1.832E-05	.009	.007	1.581E-08	10.18	.74	.50	.009
26	15.0	0.00	7.62	0.00	-7.62	5.04	8.34	2.184E-05	.011	.009	2.249E-08	10.18	.74	.50	.010
27	15.0	0.00	7.62	0.00	-7.62	3.72	8.33	4.327E-05	.021	.017	8.819E-08	10.18	.74	.50	.021
28	15.0	0.00	7.62	0.00	-7.62	2.44	8.35	5.783E-05	.028	.023	1.577E-07	10.18	.74	.50	.028
29	15.0	0.00	7.62	0.00	-7.62	1.16	8.35	1.408E-04	.068	.056	9.349E-07	10.17	.74	.50	.067
30	15.0	3.93	11.45	3.93	7.62	1.16	8.35	1.408E-04	.068	.056	9.349E-07	10.17	.74	.50	.067
31	15.0	3.97	11.49	3.97	7.62	.33	8.36	9.739E-04	.470	.385	4.476E-05	10.17	.74	.50	.464
32	15.0	3.79	11.41	3.79	7.24	0.03	7.98	2.140E-03	1.011	.849	2.126E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.706E-03	1.132	1.069	2.998E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.776E-03	1.106	1.097	3.085E-04	11.55	.83	.50	
35	15.0	3.89	11.51	3.89	-3.59	0.00	-2.46	3.079E-03	1.240	1.217	3.737E-04	11.40	.82	.50	
36	15.0	3.74	11.36	3.74	-7.28	0.00	-6.86	5.566E-03	2.582	2.239	1.432E-03	10.71	.78	.50	.706
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	4.391E-03	2.030	1.735	8.726E-04	10.62	.77	.50	.126
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	7.152E-04	.331	.283	2.316E-05	10.62	.77	.50	.011
39	15.0	3.80	11.42	3.80	-7.62	2.35	-6.38	6.217E-05	.029	.025	1.749E-07	10.62	.77	.50	
40	15.0	3.80	11.42	3.80	-7.62	3.62	-6.38	2.451E-05	.010	.008	2.093E-08	10.62	.77	.50	.004
41	15.0	3.67	11.29	3.67	-7.62	5.04	-6.41	1.824E-05	.005	.004	4.752E-09	10.61	.77	.50	.002
42	15.0	3.52	11.24	3.62	-7.62	5.60	-6.42	1.816E-05	.005	.004	4.601E-09	10.61	.77	.50	.002
43	15.0	7.35	14.97	7.35	7.62	5.70	9.26	1.819E-05	.008	.006	1.305E-08	9.85	.72	.50	.006
44	15.0	7.33	14.95	7.33	7.62	4.91	9.26	2.551E-05	.013	.010	3.239E-08	9.85	.72	.50	.025
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	3.801E-05	.015	.012	4.402E-08	9.85	.72	.50	.029
46	15.0	7.35	14.98	7.35	7.62	2.37	9.26	4.577E-05	.024	.018	1.189E-07	9.84	.72	.50	.046

HEAT TEST (92), MDAC-E RSI GAPS, RUN (64) 1973 PAGE 192

CH	GAMMA (DEG)	YSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	1.421E-04	.072	.056	1.886E-06	9.85	.72	.50	.139
48	15.0	7.26	14.88	7.26	7.62	.33	9.24	4.361E-04	.221	.172	9.454E-06	9.85	.72	.50	.426
49	15.0	7.27	14.89	7.27	7.38	0.08	8.93	1.042E-03	.528	.412	5.392E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.459E-03	.624	.577	8.918E-05	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.08	1.92	1.595E-03	.648	.630	9.992E-05	11.50	.83	.50	
52	15.0	7.58	15.20	7.58	-3.58	0.00	-1.50	2.017E-03	.806	.797	1.592E-04	11.49	.83	.50	
53	15.0	7.16	14.78	7.16	-7.24	0.08	-5.14	4.528E-03	2.023	1.829	9.165E-04	10.94	.79	.50	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.48	4.133E-03	1.835	1.633	7.423E-04	10.86	.78	.50	.907
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	9.354E-04	.416	.378	3.809E-05	10.86	.78	.50	.265
56	15.0	7.25	14.87	7.25	-7.62	2.32	-5.48	3.138E-05	.014	.012	4.257E-08	10.86	.78	.50	.007
57	15.0	7.26	14.88	7.26	-7.62	3.78	-5.48	2.387E-05	.010	.009	2.314E-08	10.86	.78	.50	.005
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	1.796E-05	.008	.007	1.403E-08	10.86	.78	.50	.004
59	15.0	7.25	14.87	7.25	-7.62	5.62	-5.48	1.167E-05	.005	.005	5.928E-09	10.86	.78	.50	.003
60	15.0	7.85	15.24	7.62	7.14	.27	8.67	3.293E-04	.164	.130	5.275E-06	9.99	.73	.50	.315
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	1.364E-04	.069	.054	9.157E-07	9.92	.73	.50	.132
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	4.995E-05	.025	.020	1.213E-07	10.88	.73	.50	.048
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	2.746E-05	.014	.011	3.679E-08	9.97	.73	.50	.026
64	15.0	12.60	15.24	7.62	7.14	5.02	8.87	1.112E-05	.006	.004	6.812E-09	9.99	.73	.50	.011
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	1.186E-05	.006	.005	6.040E-09	9.99	.73	.50	.011
66	15.0	7.99	15.24	7.62	3.44	.36	5.38	4.514E-04	.192	.178	8.489E-06	11.02	.80	.50	.388
67	15.0	9.91	15.24	7.62	3.44	1.19	5.38	2.153E-04	.092	.085	1.932E-06	11.02	.80	.50	.147
68	15.0	10.36	15.24	7.62	3.45	2.44	5.38	5.111E-05	.022	.020	1.089E-07	11.02	.80	.50	.035
69	15.0	11.35	15.24	7.62	3.50	3.74	5.35	2.829E-05	.012	.011	3.339E-08	11.01	.80	.50	.019
70	15.0	12.65	15.24	7.62	3.46	5.04	5.32	3.034E-06	.001	.001	3.887E-10	11.02	.80	.50	.002
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	1.964E-05	.008	.008	1.686E-08	11.03	.80	.50	.013
72															
73	15.0	8.85	15.24	7.62	0.00	1.15	1.97	1.997E-04	.088	.079	1.567E-06	11.50	.83	.50	.125
74	15.0	10.07	15.24	7.62	0.00	2.37	1.97	5.806E-05	.020	.020	9.845E-08	11.50	.83	.50	.031
75	15.0	11.43	15.24	7.62	0.00	3.70	1.97	2.402E-05	.010	.009	2.266E-08	11.50	.83	.50	.015
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	2.285E-05	.009	.009	2.051E-08	11.50	.83	.50	.014
77	15.0	13.43	15.24	7.62	0.00	5.74	1.97	1.541E-05	.006	.006	9.338E-09	11.50	.83	.50	.010
78	15.0	8.04	15.24	7.62	-3.59	.38	-1.50	7.899E-04	.304	.281	1.972E-05	11.49	.83	.50	.352
79	15.0	8.82	15.24	7.62	-3.63	1.17	-1.53	1.919E-04	.077	.076	1.442E-06	11.49	.83	.50	.095
80	15.0	10.07	15.24	7.62	-3.60	2.42	-1.51	3.845E-05	.015	.015	5.787E-08	11.49	.83	.50	.019
81	15.0	11.41	15.24	7.62	-3.55	3.76	-1.46	2.338E-05	.009	.009	2.124E-08	11.50	.83	.50	.012
82	15.0	12.73	15.24	7.62	-3.58	5.08	-1.48	1.532E-05	.006	.006	9.186E-09	11.49	.83	.50	.008
83	15.0	13.44	15.24	7.62	-3.62	5.79	-1.52	1.303E-05	.005	.005	6.641E-09	11.49	.83	.50	.006
94	15.0	7.80	15.24	7.62	-7.33	.31	-5.11	2.758E-03	1.234	1.098	3.250E-04	10.94	.79	.50	.595
95	15.0	8.58	15.24	7.62	-7.36	1.09	-5.14	4.957E-04	.217	.196	1.051E-05	10.94	.79	.50	.107
96	15.0	9.86	15.24	7.62	-7.36	2.36	-5.1	2.197E-05	.010	.009	2.064E-08	10.94	.79	.50	.005
97	15.0	11.23	15.24	7.62	-7.33	3.74	-5..	2.005E-05	.009	.008	1.718E-08	10.94	.79	.50	.004
98	15.0	12.52	15.24	7.62	-7.33	5.03	-5.11	1.643E-05	.007	.006	1.154E-08	10.94	.79	.50	.004
99	15.0	13.16	15.24	7.62	-7.35	5.66	-5.13	1.550E-05	.007	.006	1.041E-08	10.94	.79	.50	.003

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PV EJE = 3.276E-01
PL EJE = 8.191E-02
PE/METER = 3.225E+06
HC = 2.554E+00(M/M2- K)
TW = 298.8 (K)
STEP = .254(CM)

TT = 1.010E+03(K)
PI = 5.186E+06(N/M2)
T1 = 4.760E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.025E+01(KG/M2-S)
GAP = .457 (CM)
CONF =IN-L

TAW/T* =LAGE FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
X8 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	X8 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	7.62	5.70	6.60	2.579E-05	.012	.011	3.116E-08	10.71	.78	.50	.014
10	30.0	0.00	7.62	0.00	7.62	5.03	6.60	3.279E-05	.015	.013	4.669E-08	10.71	.78	.50	.017
11	30.0	0.00	7.62	0.00	7.62	3.74	6.60	2.032E-05	.009	.008	1.793E-08	10.71	.78	.50	.010
12	30.0	0.00	7.62	0.00	7.62	2.36	6.60	5.364E-05	.024	.021	1.250E-07	10.71	.78	.50	.028
13	30.0	0.00	7.62	0.00	7.62	1.14	6.60	1.289E-04	.057	.051	7.210E-07	10.71	.78	.50	.066
14	30.0	0.00	7.62	0.00	7.62	.33	6.60	7.018E-04	.347	.309	3.854E-05	10.71	.78	.50	.402
15	30.0	0.00	7.62	0.00	7.29	0.00	6.32	1.967E-03	.863	.777	1.662E-04	10.78	.78	.50	
16	30.0	0.00	7.62	0.00	3.63	0.00	3.15	3.143E-03	1.279	1.242	3.934E-04	11.38	.82	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.147E-03	1.244	1.244	3.832E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	-3.54	0.00	-3.07	3.253E-03	1.330	1.298	4.251E-04	11.32	.81	.50	
19	30.0	0.00	7.62	0.00	-7.27	0.00	-6.29	8.048E-03	2.784	2.390	1.649E-03	10.64	.77	.50	
20	30.0	0.00	7.62	0.00	-7.62	.41	-6.60	2.018E-06	.001	.001	1.865E-10	10.56	.77	.50	.000
21	30.0	0.00	7.62	0.00	-7.62	1.17	-6.60	8.546E-04	.404	.342	3.421E-05	10.56	.77	.50	.145
22	30.0	0.00	7.62	0.00	-7.62	2.39	-6.60	8.275E-05	.039	.033	3.134E-07	10.56	.77	.50	.014
23	30.0	0.00	7.62	0.00	-7.62	3.70	-6.60	2.534E-05	.012	.010	3.175E-08	10.56	.77	.50	.004
24	30.0	0.00	7.62	0.00	-7.62	5.07	-6.60	1.484E-05	.007	.006	1.008E-08	10.56	.77	.50	.002
25	30.0	0.00	7.62	0.00	-7.62	5.73	-6.60	1.384E-05	.006	.005	8.764E-09	10.56	.77	.50	.002
26	30.0	3.76	11.38	3.76	7.62	5.70	8.48	1.323E-05	.006	.005	8.317E-09	10.13	.74	.50	.000
27	30.0	3.80	11.42	3.80	7.62	5.04	8.50	1.515E-05	.007	.006	1.092E-08	10.12	.74	.50	.009
28	30.0	3.76	11.38	3.76	7.62	3.72	8.48	3.519E-05	.017	.014	5.888E-08	10.13	.74	.50	.021
29	30.0	3.81	11.43	3.81	7.62	2.44	8.51	5.371E-05	.026	.021	1.373E-07	10.12	.74	.50	.033
30	30.0	3.83	11.45	3.83	7.62	1.15	8.51	1.332E-04	.065	.053	8.453E-07	10.12	.74	.50	.081
31	30.0	3.87	11.49	3.87	7.62	.33	8.53	6.366E-04	.310	.252	1.933E-05	10.11	.74	.50	.388
32	30.0	3.79	11.41	3.79	7.24	0.00	8.17	1.676E-03	.798	.662	1.310E-04	10.24	.75	.50	
33	30.0	3.92	11.54	3.92	3.71	0.00	5.17	2.571E-03	1.090	1.016	2.743E-04	11.05	.80	.50	
34	30.0	3.95	11.57	3.95	0.00	0.00	1.98	2.732E-03	1.096	1.079	2.932E-04	11.50	.83	.50	
35	30.0	3.89	11.51	3.89	-3.59	0.00	-1.17	3.513E-03	1.401	1.388	4.817E-04	11.51	.83	.50	
36															
37	30.0	3.79	11.41	3.79	-7.62	.37	-4.70	6.150E-03	2.645	2.434	1.595E-03	11.03	.80	.50	.814
38	30.0	3.74	11.36	3.74	-7.62	1.15	-4.73	1.297E-03	.557	.512	7.074E-05	11.03	.80	.50	.171
39	30.0	3.81	11.42	3.81	-7.62	2.35	-4.70	1.352E-04	.058	.054	7.793E-07	11.03	.80	.50	.018
40	30.0	3.81	11.42	3.81	-7.62	3.62	-4.70	2.341E-05	.010	.009	2.304E-08	11.03	.80	.50	.003
41	30.0	3.67	11.29	3.67	-7.62	5.04	-4.77	8.840E-06	.004	.003	3.293E-09	11.02	.80	.50	.001
42	30.0	3.69	11.24	3.62	-7.62	5.68	-4.79	6.285E-06	.003	.002	1.666E-09	11.02	.79	.50	.001
43	30.0	7.35	14.97	7.35	7.62	5.70	10.27	3.306E-06	.002	.001	5.739E-10	9.44	.70	.50	.005
44	30.0	7.33	14.95	7.33	7.62	4.91	10.26	1.520E-05	.009	.006	1.382E-08	9.44	.70	.50	.022
45	30.0	7.32	14.94	7.32	7.62	3.72	10.26	2.704E-05	.015	.011	3.850E-08	9.45	.70	.50	.037
46	30.0	7.35	14.98	7.35	7.62	2.37	10.28	3.517E-05	.019	.014	6.896E-08	9.44	.70	.50	.050

CFHT TEST (32), MDAC-E RSI GAPS, RUN (65) 1973 PAGE 194

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	7.32	14.97	7.35	7.62	1.16	10.27	1.454E-04	.078	.057	1.114E-06	9.44	.78	.58	.281
48	30.0	7.26	14.88	7.26	7.62	.33	10.23	2.117E-04	.114	.084	2.355E-06	9.46	.78	.58	.292
49	30.0	7.27	14.89	7.27	7.38	3.00	9.96	7.351E-04	.389	.290	2.798E-05	9.57	.78	.58	
50	30.0	7.33	14.95	7.33	3.69	0.00	6.86	1.452E-03	.650	.574	9.238E-05	10.64	.77	.58	
51	30.0	7.43	15.02	7.40	0.00	0.00	3.78	1.762E-03	.723	.696	1.247E-04	11.31	.82	.58	
52	30.0	7.58	15.20	7.58	-3.58	0.00	.69	2.503E-03	.994	.989	2.437E-04	11.55	.83	.58	
53	30.0	7.15	14.78	7.16	-7.24	0.00	-2.69	6.446E-03	2.607	2.547	1.645E-03	11.37	.82	.58	
54	30.0	7.25	14.88	7.26	-7.62	.31	-2.97	5.778E-03	2.347	2.288	1.326E-03	11.34	.82	.58	.981
55	30.0	7.30	14.92	7.30	-7.62	1.11	-2.95	1.484E-03	.603	.586	8.762E-05	11.34	.82	.58	.231
56	30.0	7.25	14.87	7.25	-7.62	2.32	-2.97	1.106E-04	.045	.044	4.874E-07	11.34	.82	.58	.017
57	30.0	7.26	14.88	7.26	-7.62	3.70	-2.97	2.475E-05	.010	.010	2.439E-08	11.34	.82	.58	.004
58	30.0	7.24	14.86	7.24	-7.62	4.97	-2.98	1.594E-05	.007	.007	1.144E-08	11.33	.82	.58	.003
59	30.0	7.25	14.87	7.25	-7.62	5.62	-2.97	2.212E-05	.009	.009	1.950E-08	11.34	.82	.58	.003
60	30.0	7.85	15.24	7.62	7.14	.27	10.88	1.915E-04	.102	.076	1.984E-06	9.55	.78	.58	.261
61	30.0	8.75	15.24	7.62	7.35	1.17	10.17	1.395E-04	.075	.055	1.020E-06	9.48	.78	.58	.192
62	30.0	9.92	15.24	7.62	7.13	2.34	9.98	5.274E-05	.028	.021	1.442E-07	9.56	.78	.58	.072
63	30.0	11.29	15.24	7.62	7.19	3.71	10.04	1.636E-05	.009	.006	1.393E-08	9.54	.78	.58	.022
64	30.0	12.60	15.24	7.62	7.14	5.02	9.99	1.877E-05	.010	.007	1.827E-08	9.56	.78	.58	.026
65	30.0	13.22	15.24	7.62	7.14	5.63	9.99	9.179E-06	.005	.004	4.372E-09	9.56	.78	.58	.013
66	30.0	7.98	15.24	7.62	3.44	.36	6.79	4.878E-04	.218	.193	1.041E-05	10.66	.77	.58	.335
67	30.0	8.81	15.24	7.62	3.44	1.19	6.79	1.954E-04	.087	.077	1.671E-06	10.66	.77	.58	.134
68	30.0	10.05	15.24	7.62	3.45	2.44	6.80	3.291E-05	.015	.013	4.730E-08	10.66	.77	.58	.023
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	2.143E-05	.010	.008	2.812E-08	10.64	.77	.58	.015
70	30.0	12.65	15.24	7.62	3.46	5.04	6.81	4.695E-14	.000	.000	9.645E-26	10.65	.77	.58	.000
71	30.0	13.42	15.24	7.62	3.40	5.81	6.76	1.652E-05	.007	.007	1.206E-08	10.67	.77	.58	.011
72	30.0	8.07	15.24	7.62	0.00	.38	3.81	4.189E-06	.002	.002	6.795E-10	11.29	.81	.58	.002
73	30.0	8.95	15.24	7.62	0.00	1.15	3.81	1.714E-04	.078	.068	1.181E-06	11.29	.81	.58	.097
74	30.0	10.07	15.24	7.62	0.00	2.37	3.81	2.335E-05	.010	.009	2.193E-08	11.29	.81	.58	.013
75	30.0	11.40	15.24	7.62	0.00	3.70	3.81	3.189E-05	.013	.013	4.091E-08	11.29	.81	.58	.018
76	30.0	12.69	15.24	7.62	0.00	4.99	3.81	1.983E-05	.008	.008	1.582E-08	11.29	.81	.58	.011
77	30.0	13.43	15.24	7.62	0.00	5.74	3.81	1.574E-05	.007	.007	1.128E-08	11.29	.81	.58	.010
78	30.0	9.34	15.24	7.62	-3.59	.38	.70	9.016E-04	.358	.356	3.162E-05	11.55	.83	.58	.360
79	30.0	8.82	15.24	7.62	-3.63	1.17	.67	1.789E-04	.071	.071	1.244E-06	11.56	.83	.58	.071
80	30.0	10.07	15.24	7.62	-3.60	2.42	.69	4.147E-05	.016	.016	6.688E-08	11.55	.83	.58	.017
81	30.0	11.41	15.24	7.62	-3.55	3.76	.73	2.001E-05	.008	.008	1.558E-08	11.55	.83	.58	.008
82	30.0	12.73	15.24	7.62	-3.58	5.08	.71	1.726E-05	.007	.007	1.158E-08	11.55	.83	.58	.007
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	1.018E-05	.004	.004	4.832E-09	11.56	.83	.58	.004
84	30.0	7.80	15.24	7.62	-7.33	.31	-2.54	4.838E-03	1.628	1.596	6.434E-04	11.39	.82	.58	.624
85	30.0	8.59	15.24	7.62	-7.36	1.09	-2.56	8.818E-04	.356	.348	3.878E-05	11.39	.82	.58	.136
86	30.0	9.86	15.24	7.62	-7.36	2.36	-2.56	7.226E-05	.029	.029	2.861E-07	11.39	.82	.58	.011
87	30.0	11.23	15.24	7.62	-7.33	3.74	-2.54	2.713E-05	.011	.011	2.983E-08	11.39	.82	.58	.004
88	30.0	12.52	15.24	7.62	-7.33	5.03	-2.54	1.523E-05	.006	.006	9.151E-09	11.39	.82	.58	.002
89	30.0	13.16	15.24	7.62	-7.35	5.66	-2.56	2.399E-06	.001	.001	2.272E-10	11.39	.82	.58	.000

McDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

MACH = 10.290 TT = 1.023E+03(K)
PX E06 = 5.574E-01 PI = 5.147E+06(N/M2)
PL E06 = 7.932E-02 T1 = 4.825E+01(K)
PE/METER = 3.123E+06 P1 = 0.975E+02(N/M2)
HO = 2.554E+08(W/M2- K) (RHO V)1 = 1.010E+01(KG/M2-S)
TW = 294.3 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

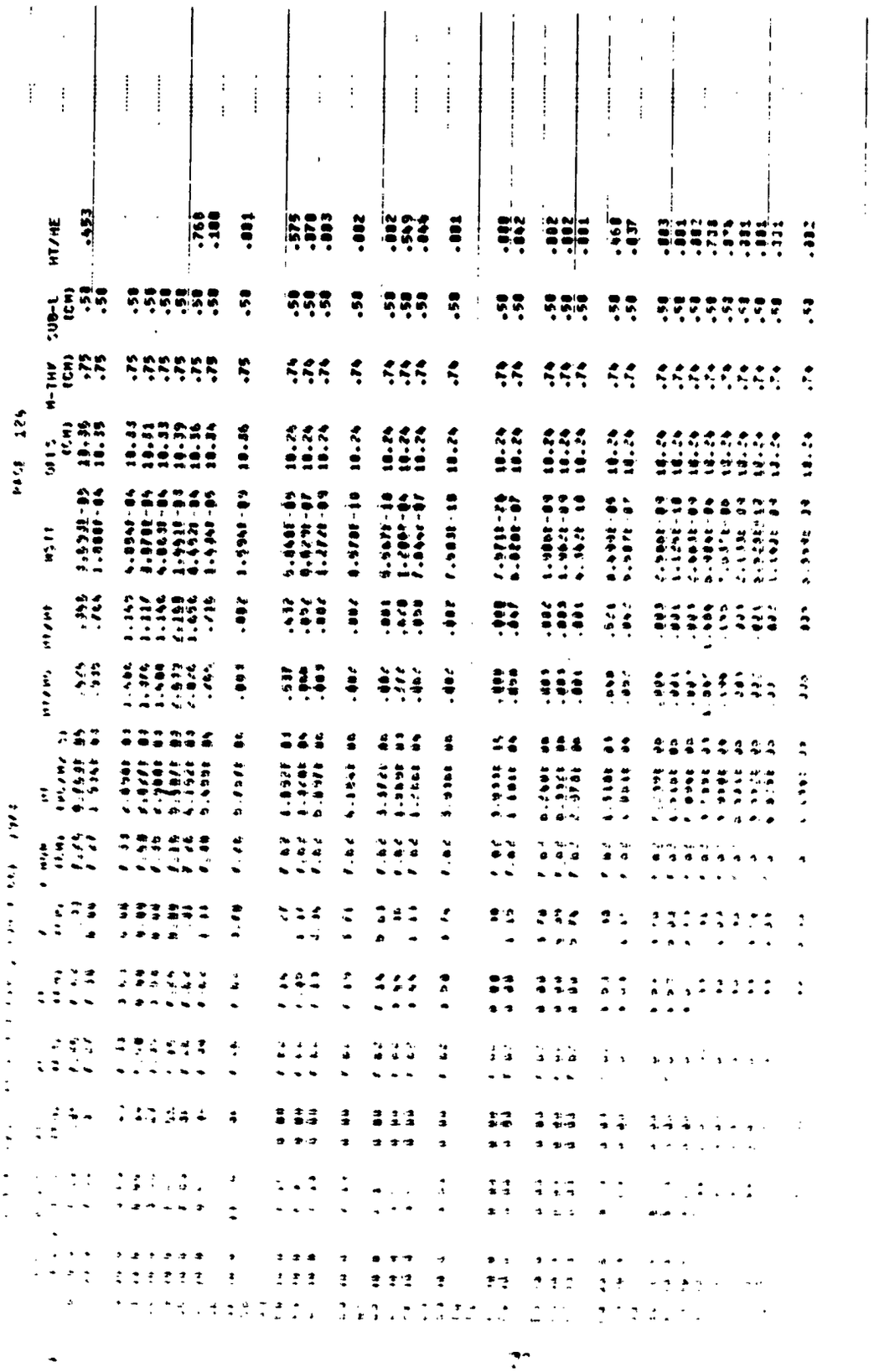
TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

PH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.70	0.00	8.168E-07	.000	.000	2.623E-11	11.56	.03	.50	.001
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	7.166E-06	.003	.003	2.819E-09	11.56	.03	.50	.004
11															
12	90.0	10.05	7.62	0.00	7.62	2.36	0.00	1.274E-05	.005	.005	6.380E-09	11.56	.03	.50	.008
13	90.0	8.87	7.62	0.00	7.62	1.14	0.00	1.732E-04	.068	.068	1.179E-06	11.56	.03	.50	.108
14	90.0	8.02	7.62	0.00	7.62	.33	0.00	6.774E-04	.268	.268	1.804E-05	11.56	.03	.50	.423
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.503E-03	.633	.633	1.810E-04	11.56	.03	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	3.066E-03	1.212	1.212	3.697E-04	11.56	.03	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.361E-03	1.328	1.328	4.441E-04	11.56	.03	.50	
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	3.764E-03	1.487	1.487	5.570E-04	11.56	.03	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	5.519E-03	2.181	2.181	1.198E-03	11.56	.03	.50	
20															
21	90.0	-8.72	7.62	0.00	-7.62	1.17	0.00	3.440E-04	.136	.136	4.653E-06	11.56	.03	.50	.052
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	5.418E-06	.002	.002	1.154E-09	11.56	.03	.50	.001
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	7.200E-06	.003	.003	2.038E-09	11.56	.03	.50	.001
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	6.894E-06	.002	.002	1.460E-09	11.56	.03	.50	.001
25	90.0	-13.29	7.62	0.00	-7.62	5.73	0.00	7.797E-07	.000	.000	2.390E-11	11.56	.03	.50	.000
26	90.0	13.35	3.86	-3.76	7.62	5.78	-3.76	4.259E-06	.002	.002	7.468E-10	11.21	.01	.50	.002
27	90.0	12.69	3.82	-3.80	7.62	5.04	-3.80	3.526E-06	.001	.001	5.122E-10	11.21	.01	.50	.002
28															
29															
30	90.0	8.84	3.79	-3.83	7.62	1.16	-3.83	1.380E-04	.057	.055	7.851E-07	11.20	.01	.50	.077
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	8.596E-04	.357	.340	3.852E-05	11.20	.01	.50	.478
32	90.0	7.24	3.83	-3.79	7.24	0.00	-3.79	1.802E-03	.746	.712	1.337E-04	11.21	.01	.50	
33	90.0	3.71	3.70	-3.92	3.71	0.00	-3.92	2.889E-03	1.202	1.142	3.456E-04	11.19	.01	.50	
34	90.0	0.00	3.67	-3.95	0.00	0.00	-3.95	3.108E-03	1.291	1.225	3.984E-04	11.18	.01	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.89	3.663E-03	1.522	1.448	5.548E-04	11.19	.01	.50	
36	90.0	-7.23	3.88	-3.74	-7.28	0.00	-3.74	5.346E-03	2.211	2.112	1.176E-03	11.22	.01	.50	
37	90.0	-7.97	3.83	-3.79	-7.62	.37	-3.79	3.142E-03	1.308	1.241	4.065E-04	11.21	.01	.50	.508
38	90.0	-8.75	3.99	-3.74	-7.62	1.15	-3.74	1.798E-04	.074	.071	1.330E-06	11.22	.01	.50	.034
39	90.0	-9.95	3.82	-3.90	-7.62	2.35	-3.80	6.924E-06	.003	.003	1.975E-09	11.21	.01	.50	.001
40	90.0	-11.22	3.82	-3.90	-7.62	3.62	-3.80	4.188E-06	.002	.002	6.953E-10	11.21	.01	.50	.001
41	90.0	-12.64	3.95	-3.67	-7.62	5.04	-3.67	3.378E-06	.001	.001	4.688E-10	11.23	.01	.50	.001
42	90.0	-13.29	4.00	-3.62	-7.62	5.68	-3.62	4.900E-07	.000	.000	9.855E-12	11.24	.01	.50	.000
43	90.0	13.37	.27	-7.35	7.62	5.70	-7.35	1.456E-06	.001	.001	1.023E-10	10.33	.75	.50	.001
44	90.0	12.57	.29	-7.33	7.62	4.91	-7.33	6.899E-06	.003	.003	2.296E-09	10.33	.75	.50	.004
45	90.0	11.39	.30	-7.32	7.62	3.72	-7.32	9.312E-06	.005	.004	4.102E-09	10.34	.75	.50	.005
46	90.0	10.33	.26	-7.36	7.62	2.37	-7.36	4.483E-06	.002	.002	9.713E-10	10.33	.75	.50	.002
47	90.0	8.82	.27	-7.35	7.62	1.16	-7.35	1.383E-04	.063	.051	8.204E-07	10.33	.75	.50	.068

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.



MACH = 10.290 TT = 1.011E+03(K)
PX E06 = 5.700E-01 PI = 5.148E+06(N/M2)
RL E06 = 9.111E-02 T1 = 4.766E+01(K)
PE/METER = 3.193E+06 P1 = 0.976E+02(N/M2)
HO = 2.656E+03(W/M2- K) (RHO V)1 = 1.018E+01(KG/M2-S)
TW = 295.0 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	92.5	13.39	7.62	0.00	7.62	5.70	.99	1.312E-05	.005	.005	6.770E-09	11.55	.83	.50	.008
10	92.5	12.72	7.62	0.00	7.62	5.03	.99	7.394E-06	.003	.003	2.150E-09	11.55	.83	.50	.005
11															
12	92.5	10.95	7.62	0.00	7.62	2.36	.99	1.404E-05	.006	.006	7.751E-09	11.55	.83	.50	.009
13	92.5	8.83	7.62	0.00	7.62	1.14	.99	1.502E-04	.064	.063	1.009E-06	11.55	.83	.50	.103
14	92.5	8.02	7.62	0.00	7.62	.33	.99	6.734E-04	.268	.266	1.783E-05	11.55	.83	.50	.434
15	92.5	7.29	7.62	0.00	7.29	0.00	.95	1.553E-03	.618	.614	9.481E-05	11.55	.83	.50	
16	92.5	3.63	7.62	0.00	3.63	0.00	.47	3.005E-03	1.192	1.187	3.535E-04	11.56	.83	.50	
17	92.5	0.00	7.62	0.00	0.00	0.00	0.00	3.318E-03	1.311	1.311	4.294E-04	11.56	.83	.50	
18	92.5	-3.54	7.62	0.00	-3.54	0.00	-.46	3.756E-03	1.490	1.484	5.523E-04	11.55	.83	.50	
19	92.5	-7.27	7.62	0.00	-7.27	0.00	-.95	5.783E-03	2.302	2.285	1.314E-03	11.53	.83	.50	
20															
21	92.5	-8.72	7.62	0.00	-7.62	1.17	-.99	3.548E-04	.145	.144	5.231E-06	11.52	.83	.50	.063
22	92.5	-9.94	7.62	0.00	-7.62	2.39	-.99	4.079E-06	.002	.002	6.540E-10	11.52	.83	.50	.001
23	92.5	-11.25	7.62	0.00	-7.62	3.70	-.99	7.207E-06	.003	.003	2.042E-09	11.52	.83	.50	.001
24	92.5	-12.62	7.62	0.00	-7.62	5.07	-.99	8.078E-06	.003	.003	2.565E-09	11.52	.83	.50	.001
25	92.5	-13.29	7.62	0.00	-7.62	5.73	-.99	5.481E-06	.002	.002	1.181E-09	11.52	.83	.50	.001
26	92.5	13.35	3.86	-3.76	7.62	5.70	-2.74	2.966E-07	.000	.000	3.514E-12	11.37	.82	.50	.000
27	92.5	12.68	3.82	-3.80	7.62	5.04	-2.78	1.445E-06	.001	.001	8.348E-11	11.36	.82	.50	.001
28															
29															
30	92.5	8.93	3.79	-3.83	7.62	1.16	-2.80	1.224E-04	.050	.048	5.998E-07	11.36	.82	.50	.862
31	92.5	7.97	3.75	-3.87	7.62	.33	-2.84	9.138E-04	.371	.361	3.344E-05	11.35	.82	.50	.466
32	92.5	7.24	3.93	-3.79	7.24	0.00	-2.81	1.963E-03	.796	.776	1.542E-04	11.36	.82	.50	
33	92.5	3.71	3.70	-3.92	3.71	0.00	-3.40	3.012E-03	1.237	1.190	3.678E-04	11.27	.81	.50	
34	92.5	0.00	3.67	-3.95	0.00	0.00	-3.92	3.081E-03	1.261	1.217	3.897E-04	11.19	.81	.50	
35	92.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.505E-03	1.402	1.385	5.129E-04	11.11	.80	.50	
36	92.5	-7.28	3.88	-3.74	-7.28	0.00	-4.66	4.356E-03	2.125	1.958	1.840E-03	11.04	.80	.50	
37	92.5	-7.97	3.93	-3.79	-7.62	.37	-4.75	2.881E-03	1.239	1.136	3.524E-04	11.02	.80	.58	.583
38	92.5	-8.75	3.88	-3.74	-7.62	1.15	-4.70	1.584E-04	.068	.063	1.063E-06	11.03	.80	.50	.032
39															
40	92.5	-11.22	3.82	-3.80	-7.62	3.62	-4.76	3.072E-06	.001	.001	4.009E-10	11.02	.80	.50	.001
41	92.5	-12.64	3.95	-3.67	-7.62	5.04	-4.63	2.995E-06	.001	.001	3.793E-10	11.05	.80	.50	.001
42	92.5	-13.29	4.00	-3.62	-7.62	5.68	-4.58	6.189E-06	.003	.003	1.733E-09	11.06	.80	.50	.001
43	92.5	13.37	.27	-7.35	7.62	5.70	-6.29	8.791E-07	.000	.000	3.512E-11	10.65	.77	.50	.000
44	92.5	12.57	.29	-7.33	7.62	4.91	-6.27	2.974E-06	.001	.001	4.015E-10	10.65	.77	.50	.001
45	92.5	11.89	.34	-7.32	7.62	3.72	-6.26	5.202E-06	.002	.002	1.229E-09	10.65	.77	.50	.002
46															
47	92.5	8.92	.27	-7.35	7.62	1.16	-6.29	1.229E-04	.057	.049	6.864E-07	10.65	.77	.50	.847

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

BEST AVAILABLE COPY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E RSI GAPS, RUN (67) 1973 PAGE 126

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	82.5	7.99	.36	-7.26	7.62	.33	-6.21	1.172E-03	.538	.463	6.219E-05	10.67	.77	.50	.445
49	82.5	7.30	.35	-7.27	7.30	0.00	-6.25	2.627E-03	1.207	1.038	3.131E-04	10.66	.77	.50	
50	82.5	3.69	.29	-7.33	3.69	0.00	-6.78	3.543E-03	1.672	1.400	5.840E-04	10.50	.76	.50	
51	82.5	0.00	.22	-7.40	0.00	0.00	-7.34	3.196E-03	1.551	1.263	4.894E-04	10.33	.75	.50	
52	82.5	-3.58	.27	-7.35	-3.58	0.00	-7.76	3.037E-03	1.506	1.208	4.515E-04	10.19	.74	.50	
53	82.5	-7.24	.46	-7.16	-7.24	0.00	-8.04	5.120E-03	2.586	2.026	1.309E-03	10.09	.74	.50	
54	82.5	-7.99	.36	-7.26	-7.62	.31	-8.19	3.881E-03	1.975	1.533	7.565E-04	10.04	.73	.50	.764
55	82.5	-8.49	.32	-7.30	-7.62	1.11	-8.23	4.980E-04	.258	.194	1.208E-05	10.03	.73	.50	.097
56															
57															
58															
59															
60	82.5	7.14	0.00	-7.62	7.14	.27	-6.62	1.519E-03	.711	.600	1.867E-04	10.55	.76	.50	.589
61	82.5	7.35	0.00	-7.62	7.35	1.17	-6.60	1.559E-04	.073	.062	1.122E-06	10.56	.77	.50	.060
62															
63															
64															
65															
66	82.5	3.44	0.00	-7.62	3.44	.36	-7.11	1.972E-03	.946	.779	1.041E-04	10.40	.76	.50	.566
67	82.5	3.44	0.00	-7.62	3.44	1.19	-7.11	1.275E-04	.061	.050	7.694E-07	10.40	.76	.50	.037
68															
69	82.5	3.50	0.00	-7.62	3.50	3.74	-7.10	6.709E-07	.000	.000	2.131E-11	10.41	.76	.50	.000
70															
71															
72	82.5	0.00	0.00	-7.62	0.00	.38	-7.55	4.246E-14	.000	.000	8.726E-26	10.26	.75	.50	.000
73	82.5	0.00	0.00	-7.62	0.00	1.15	-7.55	1.139E-04	.056	.045	6.285E-07	10.26	.75	.50	.036
74															
75	82.5	0.00	0.00	-7.62	0.00	3.70	-7.55	3.052E-06	.002	.001	4.548E-10	10.26	.75	.50	.001
76															
77	82.5	0.00	0.00	-7.62	0.00	5.74	-7.55	9.676E-06	.005	.004	4.532E-09	10.26	.75	.50	.003
78	82.5	-3.59	0.00	-7.62	-3.59	.38	-8.02	1.428E-03	.720	.564	1.815E-04	10.18	.74	.50	.478
79	82.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	1.094E-04	.055	.043	5.959E-07	10.18	.74	.50	.037
80															
81															
82															
83	82.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	5.951E-06	.003	.002	1.762E-09	10.18	.74	.50	.002
84	82.5	-7.33	0.00	-7.62	-7.33	.31	-8.51	3.527E-03	1.827	1.394	6.363E-04	9.92	.72	.50	.787
85	82.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	3.459E-04	.179	.137	6.121E-06	9.92	.72	.50	.069
86	82.5	-7.36	0.00	-7.62	-7.36	2.36	-8.52	3.306E-06	.002	.001	5.591E-10	9.92	.72	.50	.001
87	82.5	-7.33	0.00	-7.62	-7.33	3.74	-8.51	2.032E-06	.001	.001	4.182E-10	9.92	.72	.50	.001
88	82.5	-7.33	0.00	-7.62	-7.33	5.03	-8.51	2.444E-06	.001	.001	3.056E-10	9.92	.72	.50	.000
89	82.5	-7.35	0.00	-7.62	-7.35	5.66	-8.51	4.296E-06	.002	.002	9.441E-10	9.92	.72	.50	.001

331

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CHT TEST (92), MOAF-E RSI GAPS, RUN (68) 1973 PAGE 127

MACH = 10.290 TT = 1.015E+03(K)
PX E06 = 1.000E+05 PI = 5.149E+06(N/M2)
PL E06 = 8.058E-02 T1 = 4.784E+01(K)
PE/METER = 3.172E+06 P1 = 0.976E+02(N/M2)
HO = 2.598E+00(W/M2- K) (RHO V)1 = 1.016E+01(KG/M2-S)
TW =*555.0 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10															
11															
12	75.0	16.05	7.62	0.00	7.62	2.36	1.97	4.279E-07	.000	.000	7.271E-12	11.50	.83	.50	.000
13	75.0	8.43	7.62	0.00	7.62	1.14	1.97	2.453E-04	.058	.057	8.385E-07	11.50	.83	.50	.092
14	75.0	9.02	7.62	0.00	7.62	.33	1.97	7.029E-04	.282	.278	1.962E-05	11.50	.83	.50	.445
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.581E-03	.634	.625	9.922E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	2.985E-03	1.188	1.179	3.508E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.310E-03	1.308	1.308	4.282E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	3.734E-03	1.486	1.475	5.490E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	5.763E-03	2.311	2.277	1.317E-03	11.46	.82	.50	
20															
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	3.533E-04	.142	.140	4.955E-06	11.45	.82	.50	.061
22	75.0	-9.94	7.62	0.00	-7.62	2.39	-1.97	1.127E-05	.005	.004	5.041E-09	11.45	.82	.50	.002
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	6.121E-06	.002	.002	1.487E-09	11.45	.82	.50	.001
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	2.403E-06	.001	.001	2.293E-10	11.45	.82	.50	.000
25	75.0	-13.28	7.62	0.00	-7.62	5.73	-1.97	1.128E-06	.000	.000	5.055E-11	11.45	.82	.50	.000
26															
27	75.0	12.68	3.82	-3.80	7.62	5.04	-1.70	9.816E-08	.000	.000	3.818E-13	11.48	.83	.50	.000
28															
29															
30	75.0	8.80	3.79	-3.83	7.62	1.15	-1.73	1.119E-04	.044	.044	4.883E-07	11.47	.82	.50	.051
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	9.935E-04	.398	.393	3.913E-05	11.47	.82	.50	.457
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.172E-03	.870	.858	1.870E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	3.171E-03	1.286	1.253	4.036E-04	11.35	.82	.50	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	3.886E-03	1.278	1.220	3.984E-04	11.28	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	3.374E-03	1.448	1.333	4.832E-04	11.04	.80	.50	
36	75.0	-7.28	3.88	-3.74	-7.28	0.00	-5.58	4.557E-03	2.074	1.844	9.575E-04	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	2.687E-03	1.201	1.062	3.193E-04	10.82	.78	.50	.579
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	1.563E-04	.878	.862	1.478E-06	10.83	.78	.50	.034
39															
40															
41															
42															
43															
44															
45															
46															
47	75.0	0.92	.27	-7.35	7.62	1.16	-5.12	1.174E-04	.051	.046	5.957E-07	10.94	.79	.50	.035

CEHT TEST (92), MDAC-F RSI GAPS, RUN (68) 1973 PAGE 128

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75..	7.99	.36	-7.26	7.62	.33	-5.04	1.523E-03	.663	.602	9.993E-05	10.96	.79	.50	.452
49	75.0	7.30	.35	-7.27	7.30	0.00	-5.13	3.357E-03	1.466	1.326	4.871E-04	10.94	.79	.50	
50	75.0	3.69	.29	-7.33	3.69	0.00	-6.12	4.204E-03	1.921	1.661	7.991E-04	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	3.479E-03	1.672	1.375	5.757E-04	10.39	.75	.50	
52	75.0	-3.58	.27	-7.35	-3.58	0.00	-8.03	3.892E-03	1.550	1.222	4.766E-04	10.10	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	0.00	-8.79	4.599E-03	2.473	1.857	1.150E-03	9.82	.72	.50	
54	75.0	-7.89	.36	-7.26	-7.62	.31	-8.99	3.516E-03	1.871	1.389	6.589E-04	9.74	.71	.50	.757
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-9.02	4.317E-04	.230	.171	9.838E-06	9.73	.71	.50	.093
56															
57															
58															
59															
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	1.985E-03	.883	.784	1.733E-04	10.85	.78	.50	.602
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	1.558E-04	.869	.862	1.865E-06	10.86	.78	.50	.047
62															
63															
64															
65															
66	75.0	3.44	0.00	-7.62	3.44	.36	-6.47	2.415E-03	1.121	.954	2.679E-04	10.60	.77	.50	.584
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	1.326E-04	.862	.852	8.980E-07	10.60	.77	.50	.032
68															
69															
70															
71															
72															
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	1.157E-04	.856	.846	6.434E-07	10.32	.75	.50	.034
74															
75															
76															
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	2.357E-06	.001	.001	2.669E-10	10.32	.75	.50	.001
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-8.29	1.487E-03	.761	.588	1.119E-04	10.00	.73	.50	.406
79	75.0	-3.63	0.00	-7.62	-3.63	1.17	-8.30	1.161E-04	.859	.846	6.824E-07	10.00	.73	.50	.038
80															
81															
82															
83															
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	3.268E-03	1.765	1.291	5.787E-04	9.63	.71	.50	.714
85	75.0	-7.36	0.00	-7.62	-7.36	1.09	-9.26	3.016E-04	.163	.119	4.862E-06	9.63	.71	.50	.066
86	75.0	-7.36	0.00	-7.62	-7.36	2.36	-9.26	1.556E-06	.001	.001	1.404E-10	9.63	.71	.50	.000
87	75.0	-7.37	0.00	-7.62	-7.33	3.74	-9.26	2.185E-06	.001	.001	2.550E-10	9.63	.71	.50	.000
88															
89															

SUBJECT OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PW EDG = 5.664E-01
PL EDG = 9.951E-02
RE/METER = 3.173E+05
HO = 2.554E+08 (N/M2- K)
TW = 295.9 (K)
STEP = .254(CM)

TT = 1.015E+03(K)
PI = 5.155E+06(N/M2)
T1 = 4.785E+01(K)
P1 = 0.977E+02(N/M2)
(RHO V)1 = 1.616E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10															
11															
12	60.0	10.05	7.62	0.00	7.62	2.36	3.81	1.984E-06	.001	.001	1.599E-10	11.29	.81	.50	.001
13	60.0	8.83	7.62	0.00	7.62	1.14	3.81	1.284E-04	.853	.851	6.780E-07	11.29	.81	.50	.074
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	7.497E-04	.388	.296	2.284E-05	11.29	.81	.50	.430
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.748E-03	.717	.691	1.238E-04	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.912E-03	1.167	1.151	3.359E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.201E-03	1.265	1.265	4.082E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.565E-03	1.428	1.409	5.034E-04	11.47	.82	.50	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	5.448E-03	2.248	2.153	1.210E-03	11.24	.81	.50	
20															
21	60.0	-8.72	7.62	0.00	-7.62	1.17	-3.81	3.140E-04	.139	.124	4.057E-06	11.21	.81	.50	.050
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	4.040E-06	.002	.002	6.682E-10	11.21	.81	.50	.001
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	9.054E-06	.004	.004	3.356E-09	11.21	.81	.50	.002
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	1.029E-05	.004	.004	4.338E-09	11.21	.81	.50	.002
25	60.0	-13.28	7.62	0.00	-7.62	5.73	-3.81	1.014E-05	.004	.004	4.211E-09	11.21	.81	.50	.002
26															
27	60.0	12.68	3.82	-3.80	7.62	5.04	.52	2.550E-06	.001	.001	2.559E-10	11.56	.83	.50	.001
28															
29															
30	60.0	8.80	3.79	-3.83	7.62	1.16	.49	1.152E-04	.046	.046	5.203E-07	11.56	.83	.50	.044
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.147E-03	.455	.453	5.153E-05	11.56	.83	.50	.441
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.599E-03	1.030	1.027	2.647E-04	11.56	.83	.50	
33	60.0	3.71	3.76	-3.92	3.71	0.00	-1.54	3.476E-03	1.390	1.373	4.776E-04	11.49	.83	.50	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	3.123E-03	1.283	1.234	3.960E-04	11.27	.81	.50	
35	60.0	-3.59	3.73	-3.89	-3.59	0.60	-5.16	3.202E-03	1.401	1.265	4.435E-04	10.93	.79	.50	
36	60.0	-7.28	3.88	-3.74	-7.29	0.00	-6.88	4.246E-03	2.014	1.678	8.453E-04	10.47	.76	.50	
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	2.386E-03	1.143	.943	2.696E-04	10.41	.76	.50	.568
38	60.0	-8.75	3.88	-3.74	-7.62	1.15	-7.05	1.349E-04	.065	.053	8.603E-07	10.42	.76	.50	.032
39															
40															
41															
42															
43															
44															
45															
46															
47	60.0	8.82	.27	-7.35	7.62	1.16	-2.55	1.559E-04	.067	.066	1.113E-06	11.39	.82	.50	.034
48	60.0	7.99	.36	-7.26	7.62	.33	-2.48	2.363E-03	.944	.926	2.186E-04	11.40	.82	.50	.481

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 130

CENT TEST (92), MOAC-F RSI GAPS, RUN (69) 1973

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HF (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	0.0	7.30	.35	-7.27	7.30	0.00	-2.64	4.856E-03	1.961	1.918	9.408E-04	11.30	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.00	-4.50	5.355E-03	2.281	2.116	1.207E-03	11.06	.80	.50	
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	3.995E-03	1.869	1.578	7.383E-04	10.61	.77	.50	
52	60.0	-3.59	.27	-7.35	-3.58	0.00	-8.16	3.212E-03	1.631	1.269	5.179E-04	10.05	.73	.50	
53	60.0	-7.24	.46	-7.16	-7.24	0.00	-9.82	3.862E-03	2.149	1.526	6.205E-04	9.40	.69	.50	
54	60.0	-7.89	.36	-7.26	-7.62	.31	-10.10	2.815E-03	1.590	1.112	4.423E-04	9.28	.68	.50	.740
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	3.120E-04	.176	.123	5.443E-06	9.26	.68	.50	.882
56															
57															
58															
59															
59	60.0	7.14	0.00	-7.62	7.14	.27	-3.03	3.082E-03	1.255	1.210	3.825E-04	11.33	.82	.50	.640
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	2.119E-04	.086	.084	1.685E-06	11.34	.82	.50	.844
62															
63															
64															
65															
66	60.0	3.44	0.00	-7.62	3.44	.35	-4.08	3.210E-03	1.308	1.260	4.404E-04	11.00	.79	.50	.680
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.00	1.483E-04	.064	.059	9.399E-07	11.00	.79	.50	.828
68															
69															
70															
71															
72															
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	1.327E-04	.062	.052	8.137E-07	10.56	.77	.50	.839
74															
75															
76															
77	60.0	1.03	0.00	-7.62	0.00	5.74	-6.60	8.799E-07	.000	.000	3.578E-11	10.56	.77	.50	.888
78	60.0	-3.59	0.00	-7.62	-3.59	.38	-8.39	1.516E-03	.847	.658	1.378E-04	9.97	.73	.50	.519
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	1.239E-04	.064	.049	7.024E-07	9.96	.73	.50	.039
80															
81															
82															
83															
84	60.0	-7.33	0.00	-7.62	-7.33	.31	-10.26	2.680E-03	1.527	1.059	4.065E-04	9.21	.68	.50	.710
85	60.0	-7.36	0.00	-7.62	-7.36	1.09	-10.28	2.221E-04	.127	.088	2.701E-06	9.20	.68	.50	.059
86															
87	60.0	-7.33	0.00	-7.62	-7.33	3.74	-10.26	1.790E-06	.001	.001	1.084E-10	9.21	.68	.50	.888
88															
89															

CENT TEST (92), MOAC-F RSI GAPS, RUN (79) 1973 PAGE 131

MACH = 10.293
RY EDS = 5.642E-01
RL EDS = 8.028E-02
PE/METER = 3.161E+06
HC = 2.554E+00(M/M2- K)
TW = 296.2 (K)
STEP = .254(CM)

TT = 1.017E+03(K)
PI = 5.155E+06(N/M2)
T1 = 4.796E+01(K)
P1 = 0.976E+02(N/M2)
(RHO V)1 = 1.015E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAN/TT =0.895 FOR HT/HO
SURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10															
11															
12	45.0	10.05	7.62	0.00	7.62	2.36	5.39	7.414E-06	.003	.003	2.322E-09	11.00	.80	.50	.004
13	45.0	8.83	7.62	0.00	7.62	1.14	5.39	1.259E-04	.054	.050	6.697E-07	11.00	.80	.50	.065
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	8.482E-04	.362	.335	3.039E-05	11.00	.80	.50	.437
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.956E-03	.829	.773	1.605E-04	11.05	.80	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.940E-03	1.186	1.162	3.451E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.155E-03	1.247	1.247	3.892E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.375E-03	1.360	1.334	4.543E-04	11.40	.82	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	5.152E-03	2.256	2.040	1.153E-03	10.94	.79	.50	
20															
21	45.0	-8.72	7.62	0.00	-7.62	1.17	-5.39	2.627E-04	.116	.104	3.019E-06	10.88	.79	.50	.051
22	45.0	-9.94	7.62	0.00	-7.62	2.39	-5.39	4.885E-06	.002	.002	1.044E-09	10.88	.79	.50	.001
23	45.0	-11.25	7.62	0.00	-7.62	3.78	-5.39	9.232E-06	.004	.004	3.738E-09	10.88	.79	.50	.002
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	5.857E-06	.003	.002	1.501E-09	10.88	.79	.50	.001
25	45.0	-13.28	7.62	0.00	-7.62	5.73	-5.39	7.500E-06	.003	.003	2.533E-09	10.88	.79	.50	.001
26															
27															
28															
29															
30	45.0	8.80	3.79	-3.83	7.62	1.16	2.68	1.059E-04	.043	.042	4.485E-07	11.44	.82	.50	.036
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.297E-03	.524	.512	6.722E-05	11.44	.82	.50	.440
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.355E-03	1.190	1.168	3.401E-04	11.46	.82	.50	
33	45.0	3.71	3.79	-3.92	3.71	0.00	-.15	3.676E-03	1.454	1.452	5.291E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	3.203E-03	1.298	1.266	4.117E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	3.136E-03	1.388	1.239	4.284E-04	10.98	.79	.50	
36	45.0	-7.28	3.88	-3.74	-7.28	0.00	-7.79	3.734E-03	1.856	1.475	6.858E-04	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	2.017E-03	1.019	.797	2.035E-04	10.88	.73	.50	.549
38	45.0	-8.75	3.88	-3.74	-7.62	1.15	-8.83	1.154E-04	.058	.046	6.649E-07	10.10	.74	.50	.031
39															
40															
41															
42															
43															
44															
45															
46															
47	45.0	8.82	.27	-7.35	7.62	1.16	.19	2.497E-04	.099	.099	2.442E-06	11.56	.83	.50	.044
48	45.0	7.99	.36	-7.26	7.62	.33	.25	2.973E-03	1.177	1.175	3.464E-04	11.56	.83	.50	.530

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CH	GAMMA (DEG)	XSURF (CM)	X3 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	45.0	7.30	.35	-7.27	7.30	0.00	.02	5.620E-03	2.221	2.221	1.236E-03	11.56	.83	.50	
50	45.0	3.69	.29	-7.33	3.69	0.00	-2.58	5.810E-03	2.344	2.296	1.348E-03	11.39	.82	.50	
51	45.0	0.00	.22	-7.40	0.00	0.00	-5.23	4.232E-03	1.858	1.672	7.783E-04	10.92	.79	.50	
52	45.0	-3.58	.27	-7.35	-3.58	0.00	-7.73	3.270E-03	1.619	1.292	5.242E-04	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	3.438E-03	2.063	1.437	7.430E-04	9.24	.68	.50	
54	45.0	-7.93	.36	-7.26	-7.62	.31	-10.52	2.567E-03	1.481	1.014	3.764E-04	9.09	.67	.50	.718
55	45.0	-8.69	.32	-7.30	-7.62	1.11	-10.55	2.710E-04	.157	.107	4.226E-06	9.08	.67	.50	.076
56															
57															
58															
59															
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	3.756E-03	1.492	1.488	5.562E-04	11.55	.83	.50	.672
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	3.179E-04	.126	.126	3.968E-06	11.55	.83	.50	.057
62															
63															
64															
65															
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	3.550E-03	1.448	1.487	5.101E-04	11.34	.82	.50	.618
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	1.746E-04	.071	.069	1.227E-06	11.34	.82	.50	.030
68															
69															
70															
71															
72															
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	1.352E-04	.069	.062	1.067E-06	10.88	.79	.50	.037
74															
75															
76															
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	4.224E-06	.002	.002	7.809E-10	10.88	.79	.50	.001
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	1.754E-03	.879	.693	1.526E-04	10.13	.74	.50	.543
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	1.452E-04	.073	.057	1.047E-06	10.12	.74	.50	.045
80															
81															
82															
83															
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	2.571E-03	1.487	1.016	3.785E-04	9.07	.67	.50	.721
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	2.014E-04	.117	.080	2.325E-06	9.06	.67	.50	.057
86															
87	45.0	-7.33	0.00	-7.62	-7.33	3.74	-10.57	4.896E-06	.003	.002	1.373E-09	9.07	.67	.50	.001
88															
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
Rx EQA = 1.000E+05
RL EQA = 7.985E-02
RE/METER = 3.144E+06
HO = 2.554E+00(W/M2- K)
TW = 555.0 (K)
STEP = .254(CM)

TT = 1.019E+03(K)
PI = 5.150E+06(N/M2)
T1 = 4.808E+01(K)
P1 = 0.975E+02(N/M2)
(RHO V)1 = 1.012E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =1.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
9															
10	90.0	-12.72	7.62	0.00	-7.62	5.03	0.00	3.195E-06	.001	.001	4.003E-10	11.56	.83	.50	.001
11	90.0	-11.34	7.62	0.00	-7.62	3.74	0.00	8.940E-05	.004	.004	3.139E-09	11.56	.83	.50	.002
12															
13	90.0	-8.93	7.62	0.00	-7.62	1.14	0.00	2.534E-04	.104	.104	2.721E-06	11.56	.83	.50	.053
14	90.0	-8.02	7.62	0.00	-7.62	.33	0.00	3.255E-03	1.286	1.286	4.154E-04	11.56	.83	.50	.650
15	90.0	-7.29	7.62	0.00	-7.29	0.00	0.00	5.005E-03	1.979	1.978	9.822E-04	11.56	.83	.50	
16	90.0	-3.63	7.62	0.00	-3.63	0.00	0.00	3.755E-03	1.484	1.484	5.528E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.184E-03	1.258	1.258	3.976E-04	11.56	.83	.50	
18	90.0	3.54	7.62	0.00	3.54	0.00	0.00	2.886E-03	1.140	1.140	3.266E-04	11.56	.83	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	0.00	1.745E-03	.690	.690	1.195E-04	11.56	.83	.50	
20	90.0	7.97	7.62	0.00	7.62	.41	0.00	4.326E-08	.000	.000	7.337E-14	11.56	.83	.50	.000
21	90.0	8.72	7.62	0.00	7.62	1.17	0.00	1.727E-04	.068	.068	1.178E-06	11.56	.83	.50	.099
22	90.0	9.94	7.62	0.00	7.62	2.39	0.00	9.908E-08	.000	.000	3.849E-13	11.56	.83	.50	.000
23															
24	90.0	12.62	7.62	0.00	7.62	5.07	0.00	1.386E-06	.001	.001	7.538E-11	11.56	.83	.50	.001
25															
26	90.0	-13.35	11.38	3.76	-7.62	5.70	3.76	2.910E-06	.001	.001	3.217E-10	11.30	.81	.50	.001
27	90.0	-12.69	11.42	3.80	-7.62	5.04	3.80	1.937E-05	.008	.008	1.530E-08	11.29	.81	.50	.004
28	90.0	-11.35	11.38	3.76	-7.62	3.72	3.76	9.713E-06	.004	.004	3.845E-09	11.30	.81	.50	.002
29															
30	90.0	-8.90	11.45	3.83	-7.62	1.16	3.83	1.936E-04	.075	.073	1.375E-06	11.29	.81	.50	.035
31	90.0	-7.97	11.49	3.87	-7.62	.33	3.87	3.365E-03	1.305	1.330	4.623E-04	11.28	.81	.50	.640
32	90.0	-7.24	11.41	3.79	-7.24	0.00	3.79	5.264E-03	2.163	2.080	1.130E-03	11.30	.81	.50	
33	90.0	-3.71	11.54	3.92	-3.71	0.00	3.92	3.540E-03	1.458	1.399	5.124E-04	11.28	.81	.50	
34	90.0	0.00	11.57	3.95	0.00	0.00	3.95	3.001E-03	1.237	1.186	3.685E-04	11.27	.81	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	3.89	2.808E-03	1.156	1.109	3.220E-04	11.28	.81	.50	
36	90.0	7.28	11.36	3.74	7.28	0.00	3.74	1.831E-03	.752	.724	1.366E-04	11.30	.81	.50	
37	90.0	7.97	11.41	3.79	7.62	.37	3.79	7.463E-04	.307	.295	2.271E-05	11.30	.81	.50	.408
38	90.0	8.75	11.36	3.74	7.62	1.15	3.74	1.577E-04	.065	.062	1.013E-06	11.30	.81	.50	.086
39															
40															
41															
42	90.0	13.29	11.24	3.62	7.62	5.68	3.62	7.973E-06	.003	.003	2.585E-09	11.32	.82	.50	.004
43	90.0	-13.37	14.97	7.35	-7.62	5.70	7.35	6.081E-06	.003	.002	1.673E-09	10.50	.76	.50	.001
44															
45	90.0	-11.38	14.94	7.32	-7.62	3.72	7.32	8.853E-06	.004	004	3.550E-09	10.51	.76	.50	.002
46	90.0	-10.03	14.98	7.36	-7.62	2.37	7.36	6.430E-06	.003	.003	1.871E-09	10.49	.76	.50	.001
47	90.0	-8.82	14.97	7.35	-7.62	1.16	7.35	3.720E-04	.170	.147	6.259E-06	10.50	.76	.50	.067

ORIGINAL PAGE IS POOR.

PAGE 36

RE-ENTRY TEST (921, MDAC-E RSI GAPS, RUN (71) 1973

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	YF (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-. (CM)	HT/HE
48	90.0	-7.39	14.88	7.26	-7.62	.33	7.26	3.966E-03	1.002	1.567	7.093E-04	10.52	.77	.50	.710
49	90.0	-7.39	14.89	7.27	-7.39	0.00	7.27	5.587E-03	2.539	2.207	1.408E-03	10.52	.77	.50	
50	90.0	-3.69	14.95	7.33	-3.69	0.00	7.33	3.169E-03	1.444	1.252	4.540E-04	10.50	.76	.50	
51	90.0	0.00	15.02	7.40	0.00	0.00	7.40	2.857E-03	1.305	1.129	3.781E-04	10.48	.76	.50	
52	90.0	3.53	14.97	7.35	3.50	0.00	7.35	2.562E-03	1.305	1.131	3.787E-04	10.50	.76	.50	
53	90.0	7.24	14.78	7.16	7.24	0.00	7.16	1.719E-03	.778	.679	1.327E-04	10.55	.77	.50	.511
54	90.0	7.03	14.89	7.26	7.62	.31	7.26	8.755E-04	.398	.346	3.457E-05	10.52	.76	.50	.103
55	90.0	5.69	14.92	7.30	7.62	1.11	7.30	1.754E-04	.080	.069	1.389E-06	10.51	.76	.50	
56	90.0	9.33	14.87	7.25	7.62	2.32	7.25	4.743E-06	.002	.002	1.014E-09	10.53	.77	.50	.003
57	90.0	14.55	14.86	7.24	7.62	4.97	7.24	3.663E-07	.000	.000	6.048E-12	10.53	.77	.50	.000
58	90.0														
59	90.0	-7.14	15.24	7.62	-7.14	.27	7.62	3.658E-03	1.684	1.445	6.113E-04	10.41	.76	.50	.663
60	90.0	-7.35	15.24	7.62	-7.35	1.17	7.62	3.106E-04	.143	.123	4.409E-06	10.41	.76	.50	.056
61	90.0	-7.13	15.24	7.62	-7.13	2.34	7.62	2.942E-06	.001	.001	3.954E-10	10.41	.76	.50	.001
62	90.0	-7.13	15.24	7.62	-7.19	3.71	7.62	8.574E-07	.000	.000	3.358E-11	10.41	.76	.50	.000
63	90.0	-7.14	15.24	7.62	-7.14	5.02	7.62	3.917E-06	.002	.002	7.008E-10	10.41	.76	.50	.001
64	90.0	-7.14	15.24	7.62	-7.14	5.63	7.62	7.371E-06	.004	.003	2.903E-09	10.41	.76	.50	.001
65	90.0	-3.44	15.24	7.62	-3.44	.36	7.62	1.506E-03	.739	.635	1.178E-04	10.41	.76	.50	.512
66	90.0	-3.44	15.24	7.62	-3.44	1.19	7.62	1.375E-04	.063	.054	8.643E-07	10.41	.76	.50	.044
67	90.0														
68	90.0	-3.43	15.24	7.62	-3.45	2.44	7.62	1.350E-05	.006	.005	8.453E-09	10.41	.76	.50	.004
69	90.0	-3.53	15.24	7.62	-3.50	3.74	7.62	1.728E-05	.008	.007	1.384E-08	10.41	.76	.50	.006
70	90.0														
71	90.0	-3.41	15.24	7.62	-3.40	5.81	7.62	3.491E-06	.002	.001	5.409E-10	10.41	.76	.50	.001
72	90.0	-3.51	15.24	7.62	0.00	.38	7.62	4.223E-14	.000	.000	8.149E-26	10.41	.76	.50	.000
73	90.0	0.00	15.24	7.62	0.00	1.15	7.62	1.590E-04	.073	.063	1.155E-06	10.41	.76	.50	.056
74	90.0	0.00	15.24	7.62	0.00	2.37	7.62	2.760E-07	.000	.000	3.501E-12	10.41	.76	.50	.000
75	90.0	0.00	15.24	7.62	0.00	3.70	7.62	8.384E-06	.004	.003	2.926E-09	10.41	.76	.50	.003
76	90.0	0.00	15.24	7.62	0.00	4.99	7.62	3.112E-05	.001	.001	4.423E-10	10.41	.76	.50	.001
77	90.0	0.00	15.24	7.62	0.00	5.74	7.62	1.194E-05	.005	.005	6.485E-09	10.41	.76	.50	.004
78	90.0	3.53	15.24	7.62	3.59	.38	7.62	1.485E-03	.684	.587	1.008E-04	10.41	.76	.50	.524
79	90.0	3.63	15.24	7.62	3.63	1.17	7.62	1.767E-04	.081	.070	1.427E-06	10.41	.76	.50	.062
80	90.0	3.51	15.24	7.62	3.60	2.42	7.62	8.835E-06	.004	.003	3.566E-09	10.41	.76	.50	.003
81	90.0	3.53	15.24	7.62	3.55	3.76	7.62	5.919E-06	.003	.002	1.681E-09	10.41	.76	.50	.002
82	90.0	3.53	15.24	7.62	3.58	5.08	7.62	4.461E-07	.000	.000	9.091E-12	10.41	.76	.50	.000
83	90.0	3.62	15.24	7.62	3.62	5.79	7.62	4.323E-06	.002	.002	8.537E-10	10.41	.76	.50	.002
84	90.0	7.33	15.24	7.62	7.33	.31	7.62	1.314E-03	.605	.519	7.093E-05	10.41	.76	.50	.778
85	90.0	7.35	15.24	7.62	7.3E	1.09	7.62	1.742E-04	.080	.069	1.387E-06	10.41	.76	.50	.103
86	90.0	7.35	15.24	7.62	7.35	2.36	7.62	3.309E-06	.002	.001	5.802E-10	10.41	.76	.50	.002
87	90.0	7.33	15.24	7.62	7.33	3.74	7.62	3.745E-06	.002	.001	6.409E-10	10.41	.76	.50	.002
88	90.0	7.33	15.24	7.62	7.33	5.03	7.62	3.722E-06	.002	.001	6.328E-10	10.41	.76	.50	.002
89	90.0	7.35	15.24	7.62	7.35	5.66	7.62	6.351E-06	.003	.003	2.208E-09	10.41	.76	.50	.004

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
RX E06 = 7.761E-02
RL E06 = 7.977E-02
RE/METER = 3.140E+06
HO = 2.554E+08(W/M2- K)
TW = 297.1 (K)
STEP = .254(CM)

TT = 1.026E+03(K)
PI = 5.155E+06(N/M2)
T1 = 4.814E+01(K)
P1 = 0.976E+02(N/M2)
(RHO V)1 = 1.013E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	92.5	-13.39	7.62	0.00	-7.62	5.70	-.99	5.726E-07	.000	.000	1.295E-11	11.52	.83	.50	.000
10	92.5	-12.72	7.62	0.00	-7.62	5.03	-.99	1.979E-06	.001	.001	1.547E-10	11.52	.83	.50	.000
11	92.5	-11.34	7.62	0.00	-7.62	3.74	-.99	6.292E-06	.003	.002	1.564E-09	11.52	.83	.50	.001
12	92.5	-10.05	7.62	0.00	-7.62	2.36	-.99	6.163E-06	.002	.002	1.472E-09	11.52	.83	.50	.001
13	92.5	-9.93	7.62	0.00	-7.62	1.14	-.99	2.738E-04	.109	.108	2.962E-06	11.52	.83	.50	.052
14	92.5	-9.82	7.62	0.00	-7.62	.33	-.99	3.528E-03	1.405	1.394	4.918E-04	11.52	.83	.50	.667
15	92.5	-7.29	7.62	0.00	-7.29	0.00	-.95	5.288E-03	2.105	2.090	1.104E-03	11.53	.83	.50	
16	92.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.838E-03	1.522	1.517	5.797E-04	11.55	.83	.50	
17	92.5	0.00	7.62	0.00	0.00	0.00	0.00	3.246E-03	1.283	1.283	4.131E-04	11.56	.83	.50	
18	92.5	3.54	7.62	0.00	3.54	0.00	.46	2.907E-03	1.153	1.149	3.326E-04	11.56	.83	.50	
19	92.5	7.27	7.62	0.00	7.27	0.00	.95	1.766E-03	.703	.698	1.232E-04	11.55	.83	.50	
20	92.5	7.97	7.62	0.00	7.62	.41	.99	8.899E-07	.000	.000	3.129E-11	11.55	.83	.50	.001
21	92.5	8.72	7.62	0.00	7.62	1.17	.99	1.781E-04	.071	.070	1.254E-06	11.55	.83	.50	.101
22	92.5	9.94	7.62	0.00	7.62	2.39	.99	8.372E-06	.003	.003	2.769E-09	11.55	.83	.50	.005
23	92.5	11.25	7.62	0.00	7.62	3.70	.99	3.717E-06	.001	.001	5.460E-10	11.55	.83	.50	.002
24															
25	92.5	13.29	7.62	0.00	7.62	5.73	.99	2.537E-06	.001	.001	2.542E-10	11.55	.83	.50	.001
26	92.5	-13.35	11.38	3.76	-7.62	5.70	2.74	8.622E-06	.003	.003	2.981E-09	11.43	.82	.50	.002
27	92.5	-12.69	11.42	3.80	-7.62	5.04	2.78	6.364E-06	.003	.003	1.625E-03	11.43	.82	.50	.001
28	92.5	-11.36	11.38	3.76	-7.62	3.72	2.73	1.231E-05	.005	.005	6.075E-09	11.43	.82	.50	.002
29															
30	92.5	-8.80	11.45	3.83	-7.62	1.16	2.80	1.000E-04	.073	.071	1.300E-06	11.42	.82	.50	.032
31	92.5	-7.37	11.49	3.87	-7.62	.33	2.84	3.518E-03	1.465	1.430	5.260E-04	11.42	.82	.50	.642
32	92.5	-7.24	11.41	3.79	-7.24	0.00	2.81	5.538E-03	2.282	2.228	1.277E-03	11.42	.82	.50	
33	92.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.627E-03	1.481	1.433	5.331E-04	11.35	.82	.50	
34	92.5	0.00	11.57	3.95	0.00	0.00	3.92	2.991E-03	1.232	1.182	3.657E-04	11.28	.81	.50	
35	92.5	3.59	11.51	3.89	3.59	0.00	4.32	2.726E-03	1.133	1.077	3.866E-04	11.21	.81	.50	
36	92.5	7.28	11.36	3.74	7.28	0.00	4.66	1.715E-03	.718	.678	1.222E-04	11.15	.81	.50	
37	92.5	7.97	11.41	3.79	7.62	.37	4.75	6.992E-04	.294	.276	2.036E-05	11.13	.80	.50	.489
38	92.5	8.75	11.36	3.74	7.62	1.15	4.70	1.556E-04	.065	.061	1.887E-06	11.14	.80	.50	.091
39	92.5	9.95	11.42	3.80	7.62	2.35	4.76	1.543E-06	.001	.001	1.125E-10	11.13	.80	.50	.001
40															
41	92.5	12.64	11.29	3.67	7.62	5.04	4.63	3.697E-06	.002	.001	5.677E-10	11.16	.81	.50	.002
42															
43	92.5	-13.37	14.97	7.35	-7.62	5.70	6.29	5.352E-06	.002	.002	1.246E-09	10.79	.78	.50	.001
44	92.5	-12.67	14.95	7.33	-7.62	4.91	6.27	4.591E-06	.002	.002	9.166E-10	10.80	.78	.50	.001
45	92.5	-11.33	14.94	7.32	-7.62	3.72	6.26	4.855E-06	.002	.002	1.025E-09	10.80	.78	.50	.001
46	92.5	-10.37	14.99	7.36	-7.62	2.37	6.30	1.574E-06	.001	.001	1.078E-10	10.79	.78	.50	.000
47	92.5	-8.82	14.97	7.35	-7.62	1.16	6.29	3.780E-04	.162	.146	5.957E-06	10.79	.78	.50	.064

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CENT TEST (92), MDAC-E RSI GAPS, RUN (72) 1973 PAGE 38

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	82.5	-7.39	14.88	7.26	-7.62	.33	6.21	4.121E-03	1.883	1.628	7.372E-04	10.01	.78	.50	.707
49	92.5	-7.30	14.89	7.27	-7.38	0.00	6.25	5.817E-03	2.549	2.299	1.471E-03	10.00	.78	.50	
50	82.5	-3.69	14.95	7.33	-3.69	0.00	6.78	2.959E-03	1.321	1.169	3.879E-04	10.66	.77	.50	
51	92.5	0.00	15.02	7.40	0.00	0.00	7.34	2.507E-03	1.143	.991	2.842E-04	10.50	.76	.50	
52	92.5	3.58	14.97	7.35	3.58	0.00	7.76	2.374E-03	1.102	.938	2.596E-04	10.37	.76	.50	
53	92.5	7.24	14.78	7.16	7.24	0.00	8.04	1.182E-03	.559	.467	6.556E-05	10.28	.75	.50	
54	82.5	7.39	14.88	7.26	7.62	.31	8.19	6.143E-04	.293	.243	1.786E-05	10.23	.75	.50	.524
55	82.5	8.69	14.92	7.30	7.62	1.11	8.23	1.743E-04	.083	.069	1.442E-06	10.22	.75	.50	.149
56	82.5	9.93	14.87	7.25	7.62	2.32	8.19	1.241E-05	.006	.005	7.284E-09	10.23	.75	.50	.011
57	82.5	11.28	14.88	7.26	7.62	3.78	8.19	5.538E-06	.003	.002	1.503E-09	10.23	.75	.50	.005
58	82.5	12.55	14.86	7.24	7.62	4.97	8.18	3.287E-07	.000	.000	4.963E-12	10.23	.75	.50	.000
59															
60	92.5	-7.14	15.24	7.62	-7.14	.27	6.62	3.733E-03	1.657	1.475	6.136E-04	10.78	.78	.50	.650
61	82.5	-7.35	15.24	7.62	-7.35	1.17	6.68	3.157E-04	.140	.125	4.385E-06	10.71	.78	.50	.055
62															
63	82.5	-7.19	15.24	7.62	-7.19	3.71	6.62	7.265E-06	.003	.003	2.324E-09	10.71	.78	.50	.001
64	92.5	-7.14	15.24	7.62	-7.14	5.02	6.62	1.544E-06	.001	.001	1.198E-10	10.78	.78	.50	.000
65	82.5	-7.14	15.24	7.62	-7.14	5.63	6.62	4.712E-06	.002	.002	9.777E-10	10.78	.78	.50	.001
66	82.5	-3.44	15.24	7.62	-3.44	.36	7.11	1.401E-03	.633	.554	8.798E-05	10.57	.77	.50	.479
67	92.5	-3.44	15.24	7.62	-3.44	1.19	7.11	1.262E-04	.057	.050	7.140E-07	10.57	.77	.50	.043
68	32.5	-3.45	15.24	7.62	-3.45	2.44	7.10	1.129E-05	.005	.004	5.712E-09	10.57	.77	.50	.004
69	82.5	-3.50	15.24	7.62	-3.50	3.74	7.10	6.587E-06	.003	.003	1.897E-09	10.57	.77	.50	.002
70	92.5	-3.46	15.24	7.62	-3.46	5.04	7.10	5.749E-06	.003	.002	1.481E-09	10.57	.77	.50	.002
71	92.5	-3.40	15.24	7.62	-3.40	5.81	7.11	9.872E-06	.004	.004	3.698E-09	10.57	.77	.50	.003
72	92.5	0.00	15.24	7.62	0.00	.38	7.55	4.469E-14	.000	.000	9.181E-26	10.43	.76	.50	.000
73	82.5	0.00	15.24	7.62	0.00	1.15	7.55	1.370E-04	.063	.054	8.550E-07	10.43	.76	.50	.055
74	92.5	0.00	15.24	7.62	0.00	2.37	7.55	3.823E-06	.001	.001	4.164E-10	10.43	.76	.50	.001
75	92.5	0.00	15.24	7.62	0.00	3.70	7.55	7.896E-06	.004	.003	2.840E-09	10.43	.76	.50	.003
76	82.5	0.00	15.24	7.62	0.00	4.99	7.55	6.100E-06	.003	.002	1.695E-09	10.43	.76	.50	.002
77	92.5	0.00	15.24	7.62	0.00	5.74	7.55	3.538E-06	.002	.001	6.803E-10	10.43	.76	.50	.001
78	92.5	3.59	15.24	7.62	3.59	.38	8.02	1.151E-03	.543	.455	6.203E-05	10.28	.75	.50	.493
79	92.5	3.63	15.24	7.62	3.63	1.17	8.03	1.569E-04	.074	.062	1.154E-06	10.28	.75	.50	.067
80	92.5	3.60	15.24	7.62	3.60	2.42	8.02	7.731E-06	.004	.003	2.800E-09	10.28	.75	.50	.003
81	92.5	3.55	15.24	7.62	3.55	3.76	8.02	6.451E-06	.003	.003	1.949E-09	10.29	.75	.50	.003
92	92.5	3.58	15.24	7.62	3.58	5.08	8.02	2.581E-06	.001	.001	3.367E-10	10.29	.75	.50	.001
93															
94	92.5	7.33	15.24	7.62	7.33	.31	8.51	8.508E-04	.410	.340	3.579E-05	10.12	.74	.50	.749
85	92.5	7.36	15.24	7.62	7.36	1.09	8.52	1.529E-04	.079	.064	1.681E-06	10.12	.74	.50	.142
86	92.5	7.35	15.24	7.62	7.36	2.36	8.52	5.987E-06	.003	.002	1.730E-09	10.12	.74	.50	.005
87	92.5	7.33	15.24	7.62	7.33	3.74	8.51	1.461E-06	.001	.001	1.031E-10	10.12	.74	.50	.001
88															
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.230
PX E06 = 7.7525E-02
PL E06 = 7.3573E-02
RE/METER = 3.137E+06
HO = 2.5546E+03(M/M2- K)
TW = 297.1 (K)
STEP = .254(CM)

TT = 1.021E+03(K)
PI = 5.156E+06(N/M2)
T1 = 4.817E+01(K)
P1 = 0.976E+02(N/M2)
(RHO V)1 = 1.012E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.33	7.62	0.00	-7.62	5.70	-1.97	1.918E-05	.008	.008	1.465E-08	11.45	.82	.50	.004
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	7.935E-06	.003	.003	2.507E-09	11.45	.82	.50	.002
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	1.101E-05	.004	.004	4.832E-09	11.45	.82	.50	.002
12															
13	75.0	-9.93	7.62	0.00	-7.62	1.14	-1.97	2.760E-04	.111	.109	3.051E-06	11.45	.82	.50	.053
14	75.0	-9.77	7.62	0.00	-7.62	.33	-1.97	3.494E-03	1.402	1.381	4.062E-04	11.45	.82	.50	.665
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	5.255E-03	2.107	2.077	1.099E-03	11.46	.82	.50	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.774E-03	1.502	1.491	5.628E-04	11.53	.83	.50	
17	75.0	0.33	7.62	0.00	0.00	0.00	0.00	3.175E-03	1.255	1.255	3.954E-04	11.56	.83	.50	
18	75.0	3.54	7.62	3.06	3.54	3.00	.92	2.837E-03	1.129	1.121	3.179E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.89	1.756E-03	.708	.698	1.242E-04	11.50	.83	.50	
20	75.0	7.37	7.62	0.00	7.62	.41	1.97	3.776E-06	.002	.001	5.679E-10	11.50	.83	.50	.002
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.558E-04	.067	.066	1.108E-06	11.50	.83	.50	.094
22	75.0	9.94	7.62	0.00	7.62	2.39	1.97	1.574E-06	.001	.001	9.861E-11	11.50	.83	.50	.001
23															
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	9.918E-06	.004	.004	3.917E-09	11.50	.83	.50	.006
25															
26															
27															
28	75.0	-11.36	11.38	3.76	-7.62	3.72	1.66	9.489E-06	.004	.004	3.577E-09	11.52	.83	.50	.002
29															
30	75.0	-9.93	11.45	3.83	-7.62	1.16	1.73	1.348E-04	.079	.077	1.508E-06	11.51	.83	.50	.033
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	3.790E-03	1.510	1.498	5.711E-04	11.51	.83	.50	.645
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	5.971E-03	2.353	2.320	1.371E-03	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.544E-03	1.475	1.440	5.336E-04	11.42	.82	.50	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.82	2.967E-03	1.219	1.172	3.590E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.676E-03	1.122	1.058	2.979E-04	11.15	.81	.50	
36	75.0	7.29	11.36	3.74	7.29	0.00	5.50	1.570E-03	.715	.660	1.185E-04	10.98	.79	.50	
37	75.0	7.37	11.41	3.79	7.62	.37	5.63	6.935E-04	.298	.274	2.052E-05	10.95	.79	.50	.417
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	1.552E-04	.067	.061	1.026E-06	10.96	.79	.50	.093
39	75.0	9.94	11.42	3.80	7.62	2.35	5.64	1.071E-05	.005	.004	4.899E-09	10.95	.79	.50	.006
40															
41															
42	75.0	13.23	11.24	3.62	7.62	5.64	5.47	1.876E-06	.001	.001	1.495E-10	10.99	.79	.50	.001
43															
44															
45	75.0	-11.79	14.94	7.32	-7.62	3.72	5.09	1.113E-05	.005	.004	5.197E-09	11.07	.80	.50	.002
46															
47	75.0	-9.93	14.97	7.35	-7.62	1.16	5.12	3.756E-04	.159	.148	5.928E-06	11.06	.80	.50	.062

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CENT TEST (921, 40AC-F RSI GAPS, RUN (73) 1973 PAGE 40

CH	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.0	-7.93	14.88	7.26	-7.62	.33	5.04	4.278E-03	1.807	1.698	7.674E-04	11.08	.80	.58	.788
49	75.0	-7.30	14.89	7.27	-7.30	0.00	5.13	6.026E-03	2.552	2.381	1.526E-03	11.06	.80	.58	
50	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	2.909E-03	1.278	1.150	3.657E-04	10.83	.79	.58	
51	75.0	0.00	15.02	7.40	0.00	0.00	7.15	2.348E-03	1.063	.920	2.477E-04	10.56	.77	.58	
52	75.0	3.58	14.97	7.35	3.58	0.00	8.03	2.076E-03	.988	.828	2.020E-04	10.28	.75	.58	
53	75.0	7.24	14.78	7.16	7.24	0.00	8.79	8.556E-04	.423	.338	3.594E-05	10.02	.73	.58	
54	75.0	7.89	14.68	7.26	7.62	.31	8.99	4.458E-04	.220	.188	1.020E-05	9.95	.73	.58	.538
55	75.0	8.69	14.92	7.30	7.62	1.11	9.02	1.636E-04	.082	.065	1.332E-06	9.94	.73	.58	.194
56	75.0	9.90	14.87	7.25	7.62	2.32	8.98	4.486E-06	.002	.002	9.637E-10	9.95	.73	.58	.005
57	75.0	11.29	14.88	7.26	7.62	3.70	8.98	7.315E-06	.004	.003	2.657E-09	9.95	.73	.58	.009
58	75.0	12.55	14.96	7.34	7.62	4.97	8.97	1.961E-06	.001	.001	1.907E-10	9.95	.73	.58	.002
59	75.0	13.24	14.87	7.25	7.62	5.62	8.98	7.712E-06	.004	.003	2.952E-09	9.95	.73	.58	.009
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	3.799E-03	1.628	1.501	6.138E-04	10.98	.79	.58	.638
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	3.271E-04	.140	.129	4.541E-06	10.99	.80	.58	.055
62															
63	75.0	-7.19	15.24	7.62	-7.19	3.71	5.50	6.331E-06	.003	.003	1.703E-09	10.98	.79	.58	.001
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	3.813E-06	.002	.002	6.183E-10	10.98	.79	.58	.001
65															
66	75.0	-3.44	15.24	7.62	-3.44	.35	6.47	1.319E-03	.582	.521	7.615E-05	10.74	.78	.58	.458
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	1.321E-04	.058	.052	7.649E-07	10.74	.78	.58	.046
68	75.0	-3.45	15.24	7.62	-3.45	2.44	6.47	1.021E-05	.005	.004	4.570E-09	10.74	.78	.58	.004
69	75.0	-3.50	15.24	7.62	-3.50	3.74	6.45	8.165E-06	.004	.003	2.919E-09	10.75	.78	.58	.003
70	75.0	-3.46	15.24	7.62	-3.46	5.04	6.46	1.509E-06	.001	.001	1.134E-10	10.75	.78	.58	.001
71	75.0	-3.40	15.24	7.62	-3.40	5.81	6.48	1.105E-05	.005	.004	5.349E-09	10.74	.78	.58	.004
72	75.0	0.00	15.24	7.62	0.00	.38	7.36	4.520E-14	.000	.000	9.248E-26	10.49	.76	.58	.000
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	1.358E-04	.062	.053	8.255E-07	10.49	.76	.58	.058
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	1.232E-05	.006	.005	6.867E-09	10.49	.76	.58	.005
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	1.297E-05	.006	.005	7.615E-09	10.49	.76	.58	.006
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	7.255E-06	.003	.003	2.382E-09	10.49	.76	.58	.003
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	9.325E-06	.004	.004	3.935E-09	10.49	.76	.58	.004
78	75.0	3.59	15.24	7.62	3.59	.38	8.29	9.830E-04	.472	.388	4.604E-05	10.20	.74	.58	.481
79	75.0	3.63	15.24	7.62	3.63	1.17	8.30	1.592E-04	.076	.063	1.193E-06	10.19	.74	.58	.077
80	75.0	3.60	15.24	7.62	3.60	2.42	8.29	6.738E-06	.003	.003	2.158E-09	10.19	.74	.58	.003
81	75.0	3.55	15.24	7.62	3.55	3.76	8.28	3.335E-06	.002	.001	5.296E-10	10.20	.74	.58	.002
82															
83															
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	6.135E-04	.312	.242	1.099E-05	9.85	.72	.58	.737
85	75.0	7.36	15.24	7.62	7.36	1.09	9.26	1.502E-04	.076	.059	1.139E-06	9.84	.72	.58	.181
86	75.0	7.35	15.24	7.62	7.36	2.36	9.26	7.755E-06	.004	.003	3.036E-09	9.84	.72	.58	.009
87	75.0	7.33	15.24	7.62	7.33	3.74	9.26	7.753E-06	.004	.003	3.033E-09	9.85	.72	.58	.009
88															
89	75.0	7.35	15.24	7.62	7.35	5.66	9.26	8.818E-06	.004	.003	3.918E-09	9.84	.72	.58	.011

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

TEST TEST (32), MACH-8 RSI GAPS, RUN (74) 1973 PAGE 41

MACH	= 10.290		TT	=	1.025E+03(K)
RE F36	= 7.695E-02		PI	=	5.156E+06(N/M2)
RL EDE	= 7.303E-02		T1	=	4.837E+01(K)
RE/METER	= 3.114E+06		P1	=	0.975E+02(N/M2)
HO	= 2.884E+03(W/M2- K)		(RHO V)1	=	1.010E+01(KG/M2-S)
TW	= 297.0 (K)		GAP	=	.127 (CM)
STEP	= .254(CM)		CONF	=	STAC

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	-13.33	7.62	0.00	-7.62	5.70	-3.81	4.533E-06	.002	.002	8.843E-10	11.21	.81	.50	.001
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	1.027E-05	.004	.004	4.348E-09	11.21	.81	.50	.002
11	60.0	-11.34	7.62	0.00	-7.62	3.74	-3.81	3.297E-06	.001	.001	4.478E-10	11.21	.81	.50	.001
12															
13	60.0	-8.33	7.62	0.00	-7.62	1.14	-3.81	2.598E-04	.108	.103	2.782E-06	11.21	.81	.50	.052
14	60.0	-3.17	7.62	0.00	-7.62	.33	-3.81	3.235E-03	1.340	1.278	4.313E-04	11.21	.81	.50	.648
15	60.0	-7.29	7.62	0.00	-7.29	0.00	-3.65	5.069E-03	2.067	1.979	1.030E-03	11.23	.81	.50	
16	60.0	-3.63	7.62	0.00	-3.63	0.00	-1.92	3.531E-03	1.455	1.435	5.257E-04	11.47	.82	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.126E-03	1.235	1.235	3.843E-04	11.56	.83	.50	
18	60.0	3.54	7.62	0.00	3.54	0.00	1.77	2.953E-03	1.143	1.127	3.246E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	0.00	3.63	1.958E-03	.902	.774	1.563E-04	11.32	.82	.50	
20	60.0	7.97	7.62	0.00	7.62	.41	3.81	6.562E-06	.003	.003	1.729E-09	11.29	.81	.50	.003
21	60.0	9.72	7.62	0.00	7.62	1.17	3.81	1.489E-04	.061	.059	9.065E-07	11.29	.81	.50	.076
22	60.0	9.94	7.62	0.00	7.62	2.39	3.81	7.275E-06	.003	.003	2.164E-09	11.29	.81	.50	.004
23															
24															
25															
26	60.0	-13.35	11.38	3.76	-7.62	5.70	-.55	6.330E-07	.000	.000	1.396E-11	11.54	.83	.50	.000
27	60.0	-12.69	11.42	3.80	-7.62	5.04	-.52	3.478E-06	.001	.001	4.775E-10	11.55	.83	.50	.001
28	60.0	-11.35	11.38	3.76	-7.62	3.72	-.55	1.575E-05	.006	.006	9.798E-09	11.54	.83	.50	.003
29	60.0	-10.09	11.43	3.81	-7.62	2.44	-.51	2.497E-06	.001	.001	2.461E-10	11.55	.83	.50	.000
30	60.0	-8.80	11.45	3.83	-7.62	1.16	-.49	1.979E-04	.075	.074	1.393E-06	11.55	.83	.50	.031
31	60.0	-7.97	11.49	3.87	-7.62	.33	-.46	3.940E-03	1.562	1.557	6.124E-04	11.55	.83	.50	.641
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	6.156E-03	2.439	2.403	1.494E-03	11.55	.83	.50	
33	60.0	-3.71	11.54	3.92	-3.71	0.00	1.54	3.724E-03	1.488	1.470	5.505E-04	11.52	.83	.50	
34	60.0	0.00	11.57	3.95	0.00	0.00	3.42	2.913E-03	1.190	1.151	3.449E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.519E-03	1.110	1.035	2.894E-04	11.65	.80	.50	
36	60.0	7.28	11.36	3.74	7.28	0.00	6.88	1.710E-03	.756	.676	1.304E-04	10.63	.77	.50	
37	60.0	7.97	11.41	3.79	7.62	.37	7.09	7.104E-04	.321	.281	2.268E-05	10.57	.77	.50	.419
38	60.0	8.75	11.36	3.74	7.62	1.15	7.05	1.408E-04	.063	.056	8.890E-07	10.58	.77	.50	.093
39															
40															
41	60.0	12.64	11.29	3.67	7.62	5.34	6.99	4.695E-06	.002	.002	9.863E-10	10.60	.77	.50	.003
42															
43															
44	60.0	-12.57	14.95	7.33	-7.62	4.91	2.53	8.559E-07	.000	.000	3.007E-11	11.45	.82	.50	.000
45	60.0	-11.33	14.94	7.32	-7.62	3.72	2.53	1.529E-05	.006	.006	9.376E-09	11.45	.82	.50	.002
46															
47	60.0	-8.82	14.97	7.35	-7.62	1.16	2.55	3.422E-04	.138	.135	4.698E-06	11.45	.82	.50	.056

3.4-147

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CH	GAMMA* (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	60.0	-7.33	14.99	7.26	-7.62	.33	2.48	4.275E-03	1.722	1.689	7.326E-04	11.46	.82	.58	.693
50	60.0	-7.30	14.89	7.27	-7.30	0.00	2.64	6.155E-03	2.485	2.432	1.522E-03	11.44	.82	.58	
51	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	2.917E-03	1.218	1.153	3.536E-04	11.18	.81	.58	
52	60.0	0.00	15.02	7.40	0.00	0.00	6.41	2.166E-03	.954	.856	2.055E-04	10.76	.78	.58	
53	60.0	3.58	14.97	7.35	3.58	0.00	8.16	1.751E-03	.834	.692	1.452E-04	10.24	.75	.58	
54	60.0	7.24	14.78	7.16	7.24	0.00	9.82	6.876E-04	.319	.248	1.928E-05	9.63	.71	.58	
55	60.0	7.89	14.88	7.26	7.62	.31	10.18	3.539E-04	.189	.140	6.642E-06	9.51	.70	.58	.591
56	60.0	8.69	14.92	7.30	7.62	1.11	10.13	1.757E-04	.094	.069	1.641E-06	9.50	.70	.58	.294
57	60.0	9.93	14.87	7.25	7.62	2.32	10.09	8.877E-08	.085	.004	4.179E-09	9.51	.70	.58	.015
58	60.0	11.23	14.88	7.26	7.62	3.70	10.10	5.109E-06	.003	.002	1.384E-09	9.51	.70	.58	.009
59															
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	3.637E-03	1.477	1.437	5.345E-04	11.48	.82	.58	.594
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	2.649E-04	.107	.105	2.030E-06	11.41	.82	.58	.043
62															
63															
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	2.742E-06	.001	.001	3.038E-10	11.48	.82	.58	.000
65															
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.268E-03	.534	.501	6.732E-05	11.11	.80	.58	.438
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	1.319E-04	.056	.052	7.269E-07	11.11	.80	.58	.046
68	60.0	-3.45	15.24	7.62	-3.45	2.44	4.87	1.610E-05	.007	.005	1.086E-08	11.11	.80	.58	.006
69	60.0	-3.50	15.24	7.62	-3.50	3.74	4.85	1.548E-05	.007	.006	1.083E-08	11.11	.80	.58	.005
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	3.211E-06	.001	.001	4.317E-10	11.11	.80	.58	.001
71	60.0	-3.40	15.24	7.62	-3.40	5.81	4.98	4.825E-06	.002	.002	9.753E-10	11.10	.80	.58	.002
72	60.0	0.00	15.24	7.62	0.00	.38	6.60	4.324E-04	.000	.000	9.435E-26	10.71	.78	.58	.000
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	1.432E-04	.063	.057	9.845E-07	10.71	.78	.58	.067
74	60.0	0.00	15.24	7.62	0.00	2.37	6.60	1.173E-05	.005	.005	6.067E-09	10.71	.78	.58	.005
75	60.0	0.00	15.24	7.62	0.00	3.78	6.60	8.145E-06	.004	.003	2.928E-09	10.71	.78	.58	.004
76	60.0	0.00	15.24	7.62	0.00	4.99	6.60	4.324E-06	.002	.002	8.252E-10	10.71	.78	.58	.002
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	5.874E-06	.003	.002	1.523E-09	10.71	.78	.58	.003
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	8.887E-04	.391	.320	3.144E-05	10.16	.74	.58	.469
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	1.583E-04	.073	.059	1.006E-16	10.15	.74	.58	.007
80															
81	60.0	3.55	15.24	7.62	3.55	3.76	8.37	6.755E-06	.003	.003	2.191E-09	10.17	.74	.58	.004
82															
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	2.321E-06	.001	.001	2.592E-10	10.16	.74	.58	.001
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	4.098E-04	.220	.162	8.989E-06	9.44	.70	.58	.691
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	1.527E-04	.082	.060	1.248E-06	9.44	.70	.58	.258
86	60.0	7.36	15.24	7.62	7.36	2.36	10.28	2.008E-05	.011	.008	2.160E-08	9.44	.70	.58	.034
87	60.0	7.33	15.24	7.62	7.33	3.74	10.26	1.224E-06	.001	.000	8.028E-11	9.44	.70	.58	.002
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	5.046E-06	.003	.002	1.363E-09	9.44	.70	.58	.009
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	2.790E-06	.002	.001	4.170E-10	9.44	.70	.58	.005

MACH = 10.293
RX E06 = 8.048E-02
RL E06 = 6.271E-02
REYNETE? = 3.256E+06
HO = 2.556E+08(W/M2- K)
TW = 296.8 (K)
STEP = .254(CM)

TT = 1.362E+03(K)
PI = 5.157E+06(N/M2)
TI = 4.719E+01(K)
PI = 0.979E+02(N/M2)
(RHO V)I = 1.026E+01(KG/M2-S)
GAP = .127 (CM)
CONF =STAG

TAW/TT =0.195 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	3.30	-7.62	5.70	-5.39	9.493E-06	.004	.004	3.982E-09	10.88	.79	.50	.002
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	1.189E-05	.005	.005	6.122E-09	10.88	.79	.50	.003
11															
12	45.0	-10.05	7.62	0.00	-7.62	2.36	-5.39	2.301E-05	.010	.009	2.293E-08	10.88	.79	.50	.005
13	45.0	-8.83	7.62	0.00	-7.62	1.14	-5.39	2.212E-04	.098	.087	2.119E-06	10.88	.79	.50	.047
14	45.0	-8.12	7.62	0.00	-7.62	.33	-5.39	2.936E-03	1.298	1.168	3.733E-04	10.88	.79	.50	.627
15	45.0	-7.29	7.62	0.00	-7.29	1.00	-5.16	4.735E-03	2.071	1.871	9.604E-04	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.423E-03	1.301	1.353	4.629E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.049E-03	1.285	1.285	3.597E-04	11.56	.83	.50	
18	45.0	3.64	7.62	0.00	3.64	0.00	2.51	2.892E-03	1.165	1.143	3.300E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	2.124E-03	.899	.839	1.871E-04	11.06	.80	.50	
20															
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.336E-04	.057	.053	7.330E-07	11.00	.80	.50	.063
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	1.158E-05	.005	.005	5.700E-09	11.00	.80	.50	.006
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	2.313E-06	.001	.001	2.237E-10	11.00	.80	.50	.001
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	2.658E-06	.001	.001	2.975E-10	11.00	.80	.50	.001
25	45.0	13.29	7.62	0.00	7.62	5.73	5.39	3.715E-06	.002	.001	5.771E-10	11.00	.80	.50	.001
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	8.331E-06	.003	.003	2.751E-09	11.37	.82	.50	.002
27	45.0	-12.69	11.42	3.80	-7.62	5.04	-2.70	1.188E-05	.005	.005	5.589E-09	11.37	.82	.50	.002
28	45.0	-11.35	11.38	3.76	-7.62	3.72	-2.73	1.033E-05	.004	.004	4.226E-09	11.37	.82	.50	.002
29															
30	45.0	-8.90	11.45	3.83	-7.62	1.16	-2.68	1.665E-04	.067	.066	1.097E-06	11.37	.82	.50	.029
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	3.751E-03	1.515	1.482	5.567E-04	11.38	.82	.50	.628
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	5.988E-03	2.412	2.366	1.414E-03	11.40	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.519E-03	1.432	1.430	5.074E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.756E-03	1.115	1.089	3.010E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.563E-03	1.091	1.013	2.739E-04	11.02	.80	.50	
36	45.0	7.20	11.36	3.74	7.20	0.00	7.79	1.723E-03	.802	.681	1.354E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	7.205E-04	.341	.285	2.408E-05	10.27	.75	.50	.425
38	45.0	8.75	11.36	3.74	7.62	1.15	8.03	1.249E-04	.059	.049	7.220E-07	10.28	.75	.50	.074
39	45.0	9.95	11.42	3.80	7.62	2.35	8.08	5.446E-06	.003	.002	1.373E-09	10.27	.75	.50	.003
40	45.0	11.22	11.42	3.80	7.62	3.62	8.07	7.777E-05	.004	.003	2.805E-09	10.27	.75	.50	.005
41	45.0	12.64	11.23	3.67	7.62	5.14	7.38	8.348E-05	.004	.003	3.214E-09	10.30	.75	.50	.005
42															
43	45.0	-13.37	14.37	7.35	-7.62	5.70	-.19	5.503E-06	.002	.002	1.174E-09	11.55	.83	.50	.001
44	45.0	-12.67	14.05	7.33	-7.62	4.91	-.21	5.995E-06	.002	.002	1.393E-09	11.55	.83	.50	.001
45	45.0	-11.38	14.34	7.32	-7.62	3.72	-.22	1.093E-05	.004	.004	4.630E-09	11.55	.83	.50	.002
46	45.0	-10.67	14.38	7.35	-7.62	2.37	-.19	4.472E-06	.002	.002	7.753E-10	11.55	.83	.50	.001
47	45.0	-9.97	14.37	7.35	-7.62	1.15	-.19	2.890E-04	.114	.114	3.237E-06	11.55	.83	.50	.351

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

HEAT TEST (321, MDAC-E OSI GAPS, RUN (75) 1973 PAGE 44

CM	SAMPL (DEG)	YSURF (CM)	XR (CM)	YR (CM)	YC (CM)	Z (CM)	Y-MOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/ME
49	45.0	-7.39	14.88	7.26	-7.62	.33	-.25	3.785E-03	1.499	1.498	5.556E-04	11.55	.03	.50	.674
49	45.0	-7.33	14.89	7.27	-7.30	0.60	-.02	5.630E-03	2.225	2.225	1.227E-03	11.56	.03	.50	
50	45.0	-3.69	14.95	7.33	-3.69	0.00	2.58	2.715E-03	1.895	1.873	2.911E-04	11.45	.02	.50	
51	45.0	0.00	15.02	7.40	0.00	0.00	5.23	1.949E-03	.828	.778	1.581E-04	11.04	.00	.50	
52	45.0	3.69	14.97	7.35	3.58	0.00	7.73	1.510E-03	.747	.636	1.177E-04	10.38	.76	.50	
53	45.0	7.24	14.79	7.16	7.24	0.00	10.10	6.378E-04	.341	.252	2.120E-05	9.60	.70	.50	
54	45.0	7.69	14.89	7.26	7.62	.31	10.52	3.918E-04	.214	.155	8.282E-06	9.33	.69	.50	.627
55	45.0	8.69	14.92	7.30	7.62	1.11	10.55	1.570E-04	.086	.062	1.332E-06	9.32	.69	.50	.253
56	45.0	9.90	14.87	7.25	7.62	2.32	10.52	1.329E-05	.007	.005	9.430E-09	9.33	.69	.50	.021
57	45.0	11.20	14.89	7.26	7.62	3.70	10.52	8.307E-06	.005	.003	3.607E-09	9.33	.69	.50	.013
58	45.0	12.55	14.86	7.24	7.62	4.97	10.51	9.922E-07	.001	.000	5.256E-11	9.34	.69	.50	.002
59	45.0	13.24	14.87	7.25	7.62	5.62	10.52	1.797E-06	.001	.001	1.725E-10	9.33	.69	.50	.003
50	45.0	-7.14	15.24	7.62	-7.14	.27	.34	3.095E-03	1.226	1.223	3.716E-04	11.56	.03	.50	.551
61	45.0	-7.35	15.24	7.62	-7.35	1.17	.19	2.116E-04	.084	.084	1.736E-06	11.56	.03	.50	.038
62															
63	46.0	-7.19	15.24	7.62	-7.19	1.71	.30	8.859E-06	.004	.004	3.045E-09	11.56	.03	.50	.002
64															
65	45.0	-7.14	15.24	7.62	-7.14	5.63	.34	7.444E-06	.003	.003	2.150E-09	11.56	.03	.50	.001
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.174E-03	.476	.464	5.476E-05	11.41	.02	.50	.435
67	45.0	-3.44	15.24	7.62	-3.44	1.19	2.95	1.426E-04	.058	.056	8.081E-07	11.41	.02	.50	.053
68	45.0	-3.45	15.24	7.62	-3.45	2.44	2.95	1.377E-05	.006	.006	9.879E-09	11.41	.02	.50	.006
69	45.0	-3.51	15.24	7.62	-3.50	3.74	2.91	4.705E-06	.002	.002	8.787E-10	11.41	.02	.50	.002
70	45.0	-3.46	15.24	7.62	-3.46	5.04	2.94	1.045E-06	.000	.000	4.339E-11	11.41	.02	.50	.000
71	45.0	-3.49	15.24	7.62	-3.40	5.81	2.98	7.939E-06	.003	.003	2.505E-09	11.40	.02	.50	.003
72	45.0	3.00	15.24	7.62	0.00	.35	5.39	4.378E-14	.000	.000	1.036E-25	11.00	.00	.50	.000
73	45.0	3.00	15.24	7.62	0.00	1.15	5.39	1.568E-04	.067	.062	1.020E-06	11.00	.00	.50	.001
74	45.0	3.00	15.24	7.62	0.00	2.37	5.39	1.200E-05	.005	.005	6.194E-09	11.00	.00	.50	.006
75	45.0	3.00	15.24	7.62	0.00	3.70	5.39	1.478E-05	.006	.005	9.029E-09	11.00	.00	.50	.008
75	45.0	3.00	15.24	7.62	0.00	4.99	5.39	3.272E-06	.001	.001	4.475E-10	11.00	.00	.50	.002
77	45.0	0.30	15.24	7.62	0.00	5.74	5.39	8.403E-06	.004	.003	2.955E-09	11.00	.00	.50	.004
78	45.0	3.59	15.24	7.62	3.59	.38	7.93	7.428E-04	.308	.293	2.531E-05	10.32	.75	.50	.467
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	1.500E-04	.075	.063	1.170E-06	10.31	.75	.50	.101
80	45.0	3.67	15.24	7.62	3.60	2.42	7.93	9.354E-06	.004	.004	4.026E-09	10.31	.75	.50	.006
81	45.0	3.55	15.24	7.62	3.65	3.76	7.90	5.215E-06	.003	.002	1.395E-09	10.33	.75	.50	.003
82	45.0	3.59	15.24	7.62	3.58	5.08	7.92	7.560E-06	.004	.003	2.626E-09	10.32	.75	.50	.005
83	45.0	3.62	15.24	7.62	3.62	5.79	7.95	2.805E-06	.001	.001	3.621E-10	10.31	.75	.50	.002
84	45.0	7.33	15.24	7.62	7.33	.31	10.57	3.894E-04	.213	.154	8.124E-06	9.31	.69	.50	.624
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	1.510E-04	.083	.060	1.236E-06	9.30	.69	.50	.244
86	45.0	7.36	15.24	7.62	7.36	2.36	10.59	1.251E-05	.007	.005	8.533E-09	9.30	.69	.50	.020
87	45.0	7.33	15.24	7.62	7.33	3.74	10.57	5.305E-06	.003	.002	1.580E-09	9.31	.69	.50	.009
88	45.0	7.33	15.24	7.62	7.33	5.03	10.57	1.093E-05	.006	.004	6.399E-09	9.31	.69	.50	.018
89	45.0	7.35	15.24	7.62	7.35	5.66	10.59	6.560E-06	.004	.003	2.379E-09	9.30	.69	.50	.011

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MACH = 10.299 TT = 1.002E+03(K)
RX E06 = 3.304E-01 PI = 5.156E+06(N/M2)
RL E06 = 8.260E-02 T1 = 4.722E+01(K)
RE/METER = 3.252E+06 P1 = 0.979E+02(N/M2)
HO = 2.554E+03(N/M2- M) (RHO V)1 = 1.025E+01(KG/M2-S)
TW = 298.1 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 0° 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	2.338E-06	.001	.001	2.636E-10	10.24	.74	.50	.001
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	5.135E-06	.003	.002	1.271E-09	10.24	.74	.50	.002
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	3.372E-06	.002	.001	5.402E-10	10.24	.74	.50	.001
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	7.397E-06	.004	.003	2.638E-09	10.24	.74	.50	.003
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	9.456E-05	.047	.037	4.311E-07	10.24	.74	.50	.036
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	1.417E-03	.697	.560	9.686E-05	10.24	.74	.50	.535
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	2.592E-03	1.303	1.064	3.437E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	3.132E-03	1.292	1.238	3.966E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.198E-03	1.264	1.264	3.961E-04	11.58	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	3.053E-03	1.249	1.206	3.738E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	3.020E-03	1.373	1.193	4.862E-04	10.52	.77	.50	
20	0.0	0.00	7.62	0.00	7.62	.41	7.62	2.863E-06	.001	.001	1.920E-10	10.41	.76	.50	.001
21	0.0	0.00	7.62	0.06	7.62	1.17	7.62	1.501E-04	.074	.063	1.156E-06	10.41	.76	.50	.054
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	1.205E-05	.006	.005	6.548E-09	10.41	.76	.50	.004
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	3.873E-06	.002	.002	6.766E-10	10.41	.76	.50	.001
24	0.0	0.00	7.62	0.00	7.62	5.07	7.62	9.267E-06	.004	.004	3.074E-09	10.41	.76	.50	.003
25	0.0	0.00	7.62	0.00	7.62	5.73	7.62	5.953E-06	.003	.002	1.604E-09	10.41	.76	.50	.002
26	0.0	-3.76	3.86	-3.76	-7.62	5.70	-7.62	4.841E-06	.002	.002	7.871E-10	10.24	.74	.50	.001
27	0.0	-3.80	3.82	-3.80	-7.62	5.04	-7.62	5.407E-06	.003	.002	1.409E-09	10.24	.74	.50	.002
28															
29															
30	0.0	-3.83	3.79	-3.83	-7.62	1.16	-7.62	9.961E-05	.049	.039	4.704E-07	10.24	.74	.50	.035
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.554E-03	.764	.614	1.164E-04	10.24	.74	.50	.540
32	0.0	-3.73	3.83	-3.79	-7.24	0.00	-7.24	2.932E-03	1.416	1.159	4.058E-04	10.36	.75	.50	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	3.494E-03	1.444	1.380	4.942E-04	11.22	.81	.50	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	3.509E-03	1.387	1.387	4.769E-04	11.56	.83	.50	
35	0.0	-3.93	3.73	-3.89	3.59	0.00	3.59	3.484E-03	1.394	1.345	4.650E-04	11.32	.82	.50	
36	0.0	-3.74	3.89	-3.74	7.28	0.00	7.28	3.106E-03	1.412	1.227	4.298E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.470E-03	.677	.581	9.747E-05	10.41	.76	.50	.479
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	1.121E-04	.052	.044	5.667E-07	10.41	.76	.50	.037
39	0.0	-3.93	3.82	-3.88	7.62	2.35	7.62	1.804E-06	.001	.001	1.468E-10	10.41	.76	.50	.001
40	0.0	-3.80	3.82	-3.80	7.62	3.62	7.62	1.021E-05	.005	.004	4.784E-09	10.41	.76	.50	.003
41	0.0	-3.67	3.95	-3.67	7.62	5.04	7.62	4.259E-06	.002	.002	8.103E-10	10.41	.76	.50	.001
42	0.0	-3.62	4.00	-3.62	7.62	5.68	7.62	8.517E-06	.004	.003	3.358E-09	10.41	.76	.50	.003
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	5.745E-07	.000	.000	1.591E-11	10.24	.74	.50	.000
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	1.043E-05	.005	.004	5.244E-09	10.24	.74	.50	.002
45	0.0	-7.32	.30	-7.32	-7.62	3.72	-7.62	2.546E-06	.001	.001	3.126E-10	10.24	.74	.50	.001
46	0.0	-7.35	.26	-7.36	-7.62	2.37	-7.62	2.884E-06	.001	.001	4.009E-10	10.24	.74	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E RSI GAPS, RUN (76) 1973 PAGE 268

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	MSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	2.414E-04	.119	.095	2.809E-06	10.24	.74	.50	.055
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	2.558E-03	1.313	1.054	3.432E-04	10.24	.74	.50	.604
49	0.0	-7.27	.35	-7.27	-7.38	0.00	-7.38	4.485E-03	2.172	1.772	9.544E-04	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	0.00	-3.69	4.613E-03	1.905	1.823	8.614E-04	11.23	.81	.50	
51	0.0	-7.40	.22	-7.40	0.00	0.00	0.00	4.509E-03	1.782	1.782	7.872E-04	11.56	.83	.50	
52	0.0	-7.58	.04	-7.58	3.58	0.00	3.58	4.338E-03	1.773	1.711	7.524E-04	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	4.660E-03	2.116	1.841	9.663E-04	10.53	.77	.50	
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	2.891E-03	1.331	1.143	3.772E-04	10.41	.76	.50	.629
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	3.327E-04	.153	.131	4.993E-06	10.41	.76	.50	.072
56															
57	0.0	-7.26	.36	-7.26	7.62	3.70	7.62	6.294E-06	.003	.002	1.787E-09	10.41	.76	.50	.001
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	1.270E-07	.000	.000	7.281E-13	10.41	.76	.50	.000
59	0.0	-7.25	.37	-7.25	7.62	5.62	7.62	7.463E-06	.003	.003	2.513E-09	10.41	.76	.50	.002
60	0.0	-7.85	0.00	-7.62	-7.14	.27	-7.14	3.249E-03	1.564	1.284	4.978E-04	10.39	.75	.50	.719
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	3.890E-04	.150	.122	4.541E-06	10.33	.75	.50	.069
62															
63	0.0	-11.29	0.00	-7.62	-7.19	3.71	-7.19	8.725E-06	.004	.003	3.593E-09	10.38	.75	.50	.002
64	0.0	-12.60	0.00	-7.62	-7.14	5.02	-7.14	1.671E-06	.001	.001	1.018E-10	10.39	.75	.50	.000
65	0.0	-13.22	0.00	-7.62	-7.14	5.63	-7.14	1.140E-06	.001	.000	6.124E-11	10.39	.75	.50	.000
66	0.0	-7.98	0.00	-7.62	-3.44	.36	-3.44	2.874E-03	1.181	1.135	3.325E-04	11.27	.81	.50	.620
67	0.0	-8.81	0.00	-7.62	-3.44	1.19	-3.44	1.978E-04	.091	.078	1.563E-06	11.27	.81	.50	.042
68	0.0	-10.06	0.00	-7.62	-3.45	2.44	-3.45	2.869E-06	.001	.001	3.316E-10	11.26	.81	.50	.001
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	8.181E-07	.000	.000	2.698E-11	11.26	.81	.50	.000
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	8.357E-06	.003	.003	2.813E-09	11.26	.81	.50	.002
71	0.0	-13.42	0.00	-7.62	-3.48	5.81	-3.48	2.829E-06	.001	.001	3.228E-10	11.27	.81	.50	.001
72	0.0	-8.07	0.00	-7.62	0.00	.38	0.00	5.049E-14	.000	.000	9.873E-26	11.56	.83	.50	.000
73	0.0	-8.85	0.00	-7.62	0.00	1.15	0.00	2.228E-04	.000	.000	1.922E-06	11.56	.83	.50	.049
74	0.0	-10.07	0.00	-7.62	0.00	2.37	0.00	5.092E-06	.002	.002	1.344E-09	11.56	.83	.50	.001
75	0.0	-11.40	0.00	-7.62	0.00	3.70	0.00	1.371E-05	.005	.005	7.208E-09	11.56	.83	.50	.003
76	0.0	-12.69	0.00	-7.62	0.00	4.99	0.00	1.148E-05	.005	.005	5.834E-09	11.56	.83	.50	.003
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	4.089E-06	.002	.002	6.476E-10	11.56	.83	.50	.001
78	0.0	-8.44	0.00	-7.62	3.59	.38	3.59	2.452E-03	1.004	.969	2.412E-04	11.32	.82	.50	.566
79	0.0	-8.82	0.00	-7.62	3.63	1.17	3.63	2.252E-04	.092	.089	2.036E-06	11.32	.82	.50	.052
80	0.0	-10.07	0.00	-7.62	3.60	2.42	3.60	1.311E-05	.005	.005	6.096E-09	11.32	.82	.50	.003
81	0.0	-11.41	0.00	-7.62	3.55	3.76	3.55	4.575E-06	.002	.002	8.765E-10	11.33	.82	.50	.001
82	0.0	-12.73	0.00	-7.62	3.58	5.08	3.58	1.379E-06	.001	.001	7.632E-11	11.33	.82	.50	.000
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	2.503E-06	.001	.001	2.728E-10	11.32	.82	.50	.001
84	0.0	-7.80	0.00	-7.62	7.33	.31	7.33	3.883E-03	1.733	1.503	6.457E-04	10.50	.76	.50	.419
85	0.0	-8.58	0.00	-7.62	7.36	1.09	7.36	3.815E-04	.174	.151	6.585E-06	10.49	.76	.50	.002
86															
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	9.775E-07	.000	.000	4.266E-11	10.50	.76	.50	.000
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	1.123E-05	.005	.004	5.628E-09	10.50	.76	.50	.002
89	0.0	-13.15	0.00	-7.62	7.35	5.66	7.35	1.435E-06	.001	.001	9.202E-11	10.50	.76	.50	.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E RSI GAPS, RUN (77) 1973 PAGE 269

MACH = 10.290
RX E06 = 3.387E-01
RL E06 = 8.263E-02
RE/METER = 3.255E+06
HO = 2.554E+08(W/M2- K)
TW = 298.1 (K)
STEP = .254(CM)

TT = 1.082E+03(K)
PI = 5.156 E+06(N/M2)
T1 = 4.719E+01(K)
P1 = 0.979E+02(N/M2)
(RHO V)1 = 1.026E+01(KG/M2-S)
GAP = .127 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	1.624E-06	.001	.001	1.266E-10	10.26	.75	.50	.001
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	1.018E-05	.005	.004	4.974E-09	10.26	.75	.50	.003
11	7.5	0.00	7.62	0.00	-7.62	3.74	-7.55	1.279E-05	.006	.005	7.864E-09	10.26	.75	.50	.004
12	7.5	0.00	7.62	0.00	-7.62	2.36	-7.55	2.432E-06	.001	.001	2.841E-10	10.26	.75	.50	.001
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	1.101E-04	.054	.043	5.819E-07	10.26	.75	.50	.036
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	1.577E-03	.822	.663	1.351E-04	10.26	.75	.50	.549
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	3.105E-03	1.499	1.227	4.558E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	3.129E-03	1.290	1.236	3.955E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.146E-03	1.243	1.243	3.832E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	3.079E-03	1.269	1.217	3.888E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.533E-03	1.194	1.041	3.081E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	7.638E-06	.004	.003	2.625E-09	10.43	.76	.50	.003
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	1.474E-04	.060	.058	9.779E-07	10.43	.76	.50	.057
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	9.786E-06	.004	.004	4.389E-09	10.43	.76	.50	.004
23	7.5	0.00	7.62	0.00	7.62	3.70	7.55	1.348E-05	.006	.005	8.179E-09	10.43	.76	.50	.005
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	5.578E-06	.003	.002	1.446E-09	10.43	.76	.50	.002
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	1.130E-05	.005	.004	5.749E-09	10.43	.76	.50	.004
26	7.5	-3.76	3.86	-3.76	-7.62	5.70	-8.05	8.177E-07	.000	.000	3.304E-11	10.89	.74	.50	.000
27	7.5	-3.80	3.82	-3.80	-7.62	5.04	-8.05	1.417E-05	.007	.006	9.926E-09	10.89	.73	.50	.005
28															
29															
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	8.432E-05	.043	.033	3.515E-07	10.09	.73	.50	.028
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.692E-03	.854	.668	1.415E-04	10.09	.73	.50	.564
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	3.069E-03	1.515	1.213	4.553E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-3.71	0.00	-4.19	3.391E-03	1.426	1.348	4.738E-04	11.14	.80	.50	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	3.462E-03	1.373	1.368	4.658E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.05	3.478E-03	1.413	1.374	4.814E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.26	0.00	6.73	2.980E-03	1.328	1.178	3.877E-04	10.68	.78	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.86	1.312E-03	.592	.518	7.604E-05	10.58	.77	.50	.446
39	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	1.174E-04	.053	.046	6.887E-07	10.58	.77	.50	.040
40	7.5	-3.80	3.82	-3.80	7.62	2.35	7.06	1.079E-05	.005	.004	5.141E-09	10.58	.77	.50	.004
41	7.5	-3.84	3.82	-3.80	7.62	3.62	7.06	4.538E-06	.002	.002	9.180E-10	10.58	.77	.50	.002
42	7.5	-3.87	3.95	-3.87	7.62	5.04	7.08	3.553E-06	.002	.001	5.581E-10	10.58	.77	.50	.001
43	7.5	-7.35	.27	-7.35	-7.62	5.70	-8.51	4.525E-06	.002	.002	1.040E-09	9.92	.72	.50	.001
44	7.5	-7.33	.29	-7.33	-7.62	4.91	-8.51	8.597E-06	.004	.003	3.751E-09	9.92	.72	.50	.002
45	7.5	-7.32	.30	-7.32	-7.62	3.72	-8.51	1.040E-05	.005	.004	5.489E-09	9.92	.72	.50	.003
46	7.5	-7.36	.26	-7.36	-7.62	2.37	-8.51	2.170E-06	.001	.001	2.390E-10	9.92	.72	.50	.001
47	7.5	-7.35	.27	-7.35	-7.62	1.16	-8.51	1.884E-04	.090	.074	1.801E-06	9.92	.72	.50	.048

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 270

J	XSURF (CM)	XB (CM)	XC (CM)	XC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	7.5	-7.25	.36	-7.26	-7.62	.33	-8.50	2.343E-03	1.213	.926	2.705E-04	9.93	.72	.50	.591
50	7.5	-7.27	.35	-7.27	-7.30	0.00	-8.19	4.039E-03	2.054	1.596	8.128E-04	10.04	.73	.50	
51	7.5	-7.31	.29	-7.33	-3.69	0.00	-4.61	4.387E-03	1.877	1.734	8.066E-04	11.05	.80	.50	
52	7.5	-7.41	.22	-7.40	0.00	0.00	-.97	4.456E-03	1.774	1.761	7.745E-04	11.53	.83	.50	
53	7.5	-7.5	.04	-7.55	3.58	0.00	2.56	4.352E-03	1.872	1.834	8.511E-04	11.45	.82	.50	
54	7.5	-7.16	.46	-7.16	7.24	0.00	6.25	5.121E-03	2.244	2.024	1.126E-03	10.80	.78	.50	.631
55	7.5	-7.25	.36	-7.26	7.62	.31	6.61	3.192E-03	1.416	1.261	4.427E-04	10.71	.78	.50	.075
56	7.5	-7.30	.32	-7.30	7.62	.11	6.60	3.786E-04	.160	.150	6.227E-06	10.71	.78	.50	
57	7.5	-7.25	.36	-7.26	7.62	3.70	6.61	2.241E-05	.010	.009	2.184E-08	10.71	.78	.50	.004
58	7.5	-7.24	.38	-7.24	7.62	4.97	6.61	9.317E-06	.004	.004	3.773E-09	10.71	.78	.50	.002
59															
60	7.5	-7.25	3.00	-7.62	-7.14	.27	-8.08	2.841E-03	1.435	1.122	3.995E-04	10.08	.73	.50	.699
61	7.5	-9.75	0.00	-7.62	-7.35	1.17	-8.28	2.455E-04	.125	.097	3.018E-06	10.01	.73	.50	.061
62															
63	7.5	-11.29	0.00	-7.62	-7.19	3.71	-8.12	9.526E-06	.005	.004	4.600E-09	10.66	.73	.50	.002
64	7.5	-12.50	0.00	-7.62	-7.14	5.02	-8.07	2.038E-06	.001	.001	2.057E-10	10.08	.73	.50	.001
65	7.5	-13.22	0.00	-7.62	-7.14	5.63	-8.07	1.201E-06	.001	.000	7.134E-11	10.08	.73	.50	.000
66	7.5	-7.99	3.00	-7.62	-3.44	.36	-4.41	2.710E-03	1.150	1.071	3.052E-04	11.09	.80	.50	.613
67	7.5	-8.81	0.00	-7.62	-3.44	1.19	-4.41	1.722E-04	.073	.068	1.232E-06	11.09	.80	.50	.039
68															
69	7.5	-11.35	0.00	-7.62	-3.50	3.74	-4.46	1.557E-05	.007	.006	1.811E-08	11.08	.80	.50	.004
70	7.5	-12.65	0.00	-7.62	-3.46	5.04	-4.43	1.036E-05	.004	.004	4.462E-09	11.09	.80	.50	.002
71	7.5	-13.42	0.00	-7.62	-3.44	5.81	-4.37	4.994E-06	.002	.002	1.035E-09	11.10	.80	.50	.001
72	7.5	-8.07	0.00	-7.62	0.00	.38	-.99	5.302E-14	.000	.000	1.097E-25	11.52	.83	.50	.000
73	7.5	-8.95	0.00	-7.62	0.00	1.15	-.99	2.098E-04	.084	.083	1.719E-06	11.52	.83	.50	.047
74	7.5	-10.37	3.00	-7.62	0.00	2.37	-.99	1.507E-05	.006	.006	1.009E-08	11.52	.83	.50	.004
75	7.5	-11.47	3.00	-7.62	0.00	3.70	-.99	1.183E-05	.005	.005	5.457E-09	11.52	.83	.50	.003
76	7.5	-12.69	3.00	-7.62	0.00	4.99	-.99	8.787E-06	.003	.003	3.012E-09	11.52	.83	.50	.002
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	9.037E-06	.004	.004	3.186E-09	11.52	.83	.50	.002
78	7.5	-8.04	0.00	-7.62	3.59	.39	2.57	2.529E-03	1.060	1.039	2.730E-04	11.45	.82	.50	.566
79	7.5	-8.82	0.00	-7.62	3.63	1.17	2.60	2.366E-04	.093	.091	2.102E-06	11.44	.82	.50	.050
80	7.5	-10.37	0.00	-7.62	3.68	2.42	2.58	1.482E-05	.006	.006	8.678E-09	11.45	.82	.50	.003
81	7.5	-11.41	0.00	-7.62	3.66	3.76	2.53	1.538E-05	.007	.005	1.059E-08	11.45	.82	.50	.004
82	7.5	-12.73	0.00	-7.62	3.58	5.08	2.65	8.678E-06	.003	.003	2.974E-09	11.45	.82	.50	.002
83	7.5	-13.44	3.00	-7.62	3.62	5.79	2.59	4.389E-06	.002	.002	9.837E-10	11.44	.82	.50	.001
84	7.5	-7.93	0.00	-7.62	7.33	.31	6.27	4.206E-03	1.843	1.661	7.590E-04	10.80	.78	.50	.621
85	7.5	-8.69	3.00	-7.62	7.36	1.09	6.30	4.065E-04	.178	.161	7.101E-06	10.79	.78	.50	.079
86															
87	7.5	-11.21	3.00	-7.62	7.33	3.74	6.27	2.134E-05	.009	.008	1.955E-08	10.80	.78	.50	.004
88	7.5	-12.52	0.00	-7.62	7.33	5.03	6.27	9.413E-06	.004	.004	3.806E-09	10.80	.78	.50	.002
89	7.5	-13.15	0.00	-7.62	7.35	5.65	6.29	2.344E-06	.001	.001	2.362E-10	10.79	.78	.50	.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

HEAT TEST (92), MOD-E RSI GAPS, RUN (78) 1973

MACH = 10.293
PX FOR = 3.303E-01
PL FOR = 9.272E-02
RE/METER = 3.257E+06
HO = 2.554E+08(M/M2- K)
TW = 298.1 (K)
STEP = .025(CM)

TT = 1.002E+03(K)
PI = 5.159E+08(N/M2)
T1 = 4.720E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.025E+01(KG/M2-S)
GAP = .127 (CM)
CONF = IN-L

TAW/TT = 1.995 FOR HT/HO
XSURF = SURFACE DISTANCE (FLOW DIRECTION) (=0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (C)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	8.514E-06	.084	.083	3.447E-09	10.32	.75	.50	.803
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	7.814E-06	.004	.003	2.903E-09	10.32	.75	.50	.002
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	2.414E-05	.012	.010	2.772E-08	10.32	.75	.50	.007
12															
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	1.122E-04	.054	.044	5.982E-07	10.32	.75	.50	.033
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	1.895E-03	.921	.749	1.788E-04	10.32	.75	.50	.559
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	3.444E-03	1.647	1.361	5.553E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	3.098E-03	1.275	1.224	3.865E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.137E-03	1.239	1.239	3.806E-04	11.56	.83	.50	
18	15.0	0.00	7.62	3.30	3.54	0.00	3.42	3.050E-03	1.250	1.209	3.745E-04	11.35	.82	.50	
19	15.0	0.00	7.62	6.00	7.27	0.00	7.02	2.655E-03	1.106	.970	2.650E-04	10.59	.77	.50	
20															
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	1.480E-04	.868	.058	9.784E-07	10.49	.76	.58	.061
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	1.093E-05	.005	.004	5.337E-09	10.49	.76	.50	.005
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	1.347E-05	.006	.005	8.101E-09	10.49	.76	.50	.006
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	9.976E-06	.005	.004	4.354E-09	10.49	.76	.50	.004
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	4.755E-06	.002	.002	1.014E-09	10.49	.76	.50	.002
26	15.0	-3.75	3.86	-3.76	-7.62	5.70	-8.33	1.119E-06	.001	.000	6.285E-11	9.99	.73	.50	.000
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	1.437E-05	.007	.006	1.038E-08	9.98	.73	.50	.004
28															
29															
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	8.693E-05	.045	.034	3.798E-07	9.98	.73	.58	.027
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	1.859E-03	.955	.734	1.737E-04	9.98	.73	.50	.578
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	3.287E-03	1.651	1.299	5.315E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	3.245E-03	1.388	1.282	4.40 E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	3.465E-03	1.380	1.369	4.682E-04	11.52	.83	.50	
35	15.0	-3.83	3.73	-3.89	3.59	0.00	2.46	3.545E-03	1.428	1.401	4.955E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.20	0.00	6.06	2.949E-03	1.205	1.165	3.709E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.39	1.233E-03	.542	.487	6.546E-05	10.77	.78	.58	.422
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	1.120E-04	.049	.044	5.407E-07	10.76	.78	.50	.038
39	15.0	-3.81	3.82	-3.80	7.62	2.35	6.38	6.118E-06	.003	.002	1.611E-09	10.77	.78	.50	.002
40	15.0	-3.80	3.82	-3.80	7.62	3.62	6.38	1.536E-05	.007	.006	1.111E-08	10.77	.78	.50	.005
41	15.0	-3.67	3.95	-3.67	7.62	5.04	6.41	1.075E-05	.005	.004	4.980E-09	10.76	.78	.50	.004
42															
43															
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	1.354E-05	.007	.005	9.698E-09	9.63	.71	.50	.004
45	15.0	-7.32	.31	-7.32	-7.62	3.72	-9.25	1.247E-05	.007	.005	8.220E-09	9.63	.71	.50	.003
46	15.0	-7.35	.28	-7.35	-7.62	2.37	-9.26	8.096E-06	.004	.003	3.467E-09	9.63	.71	.50	.002
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	1.786E-04	.096	.071	1.688E-06	9.63	.71	.50	.048

HEAT TEST (92), MDAC-E RSI GAPS, RUN (78) 1973 PAGE 272

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	HSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	15.0	-7.25	.35	-7.25	-7.62	.33	-9.24	2.237E-03	1.207	.884	2.643E-04	9.64	.71	.50	.596
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	3.817E-03	2.025	1.508	7.567E-04	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	4.176E-03	1.852	1.650	7.572E-04	10.86	.79	.50	
51	15.0	-7.40	.22	-7.40	0.00	0.00	-1.92	4.426E-03	1.775	1.749	7.693E-04	11.46	.82	.50	
52	15.0	-7.58	.04	-7.58	3.58	0.00	1.50	4.852E-03	1.944	1.921	9.254E-04	11.53	.83	.50	
53	15.0	-7.16	.46	-7.16	7.24	0.00	5.14	5.307E-03	2.248	2.097	1.168E-03	11.06	.80	.50	
54	15.0	-7.26	.36	-7.26	7.52	.31	5.48	3.248E-03	1.398	1.283	4.419E-04	10.98	.79	.50	.618
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	3.752E-04	.161	.148	5.898E-06	10.99	.79	.50	.071
56															
57	15.0	-7.26	.36	-7.26	7.62	3.70	5.48	1.300E-05	.006	.005	7.082E-09	10.99	.79	.50	.002
58	15.0	-7.24	.39	-7.24	7.62	4.97	5.49	9.928E-06	.004	.004	4.131E-09	10.98	.79	.50	.002
59															
60	15.0	-7.85	0.00	-7.62	-7.14	.27	-8.87	2.620E-03	1.395	1.035	3.553E-04	9.79	.72	.50	.684
61	15.0	-9.75	0.00	-7.62	-7.35	1.17	-9.07	2.140E-04	.114	.085	2.395E-06	9.71	.71	.50	.056
62															
63	15.0	-11.23	0.00	-7.62	-7.19	3.71	-6.92	1.159E-05	.006	.005	5.968E-09	9.77	.71	.50	.003
64	15.0	-12.61	0.00	-7.62	-7.14	5.02	-8.87	9.278E-06	.005	.004	4.454E-09	9.79	.72	.50	.002
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	5.190E-06	.003	.002	1.394E-09	9.79	.72	.50	.001
66	15.0	-7.93	0.00	-7.62	-3.44	.36	-5.30	2.564E-03	1.129	1.013	2.833E-04	10.90	.79	.50	.609
67	15.0	-9.81	0.00	-7.62	-3.44	1.19	-5.30	1.718E-04	.076	.068	1.272E-06	10.90	.79	.50	.041
68															
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	8.059E-06	.004	.003	2.813E-09	10.89	.79	.50	.002
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	5.476E-06	.002	.002	1.291E-09	10.90	.79	.50	.001
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	7.584E-06	.003	.003	2.475E-09	10.91	.79	.50	.002
72	15.0	-8.37	0.00	-7.62	0.00	.38	-1.37	5.289E-14	.000	.000	1.099E-25	11.45	.82	.50	.000
73	15.0	-8.85	0.00	-7.62	0.00	1.15	-1.97	1.984E-04	.080	.078	1.547E-06	11.45	.82	.50	.045
74	15.0	-10.37	0.00	-7.62	0.00	2.37	-1.97	1.298E-05	.005	.005	6.619E-09	11.45	.82	.50	.003
75	15.0	-11.40	0.00	-7.62	0.00	3.70	-1.97	1.545E-05	.007	.007	1.063E-08	11.45	.82	.50	.004
76	15.0	-12.60	0.00	-7.62	0.00	4.99	-1.97	4.476E-06	.002	.002	7.871E-10	11.45	.82	.50	.001
77	15.0	-13.43	0.00	-7.62	0.00	5.74	-1.97	8.201E-06	.003	.003	2.642E-09	11.45	.82	.50	.002
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.50	2.764E-03	1.105	1.092	2.989E-04	11.53	.83	.50	.568
79	15.0	-8.82	0.00	-7.62	3.63	1.17	1.53	2.424E-04	.097	.096	2.301E-06	11.52	.83	.50	.050
80	15.0	-10.07	0.00	-7.62	3.60	2.42	1.51	2.167E-05	.009	.009	1.838E-08	11.53	.83	.50	.004
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	1.579E-05	.007	.007	1.103E-08	11.53	.83	.50	.003
82	15.0	-12.73	0.00	-7.62	3.58	5.09	1.48	1.645E-05	.007	.007	1.359E-08	11.53	.83	.50	.003
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	5.392E-06	.002	.002	1.138E-09	11.53	.83	.50	.001
84	15.0	-7.90	0.00	-7.62	7.33	.31	5.11	4.381E-03	1.854	1.731	7.951E-04	11.06	.80	.50	.825
85	15.0	-8.53	0.00	-7.62	7.36	1.09	5.14	4.143E-04	.175	.164	7.115E-06	11.06	.80	.50	.078
86															
87	15.0	-11.23	0.00	-7.62	7.33	3.74	5.11	1.315E-05	.006	.005	7.165E-09	11.06	.80	.50	.002
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	8.421E-06	.004	.003	2.939E-09	11.06	.80	.50	.002
89	15.0	-13.16	0.00	-7.62	7.35	5.66	5.13	6.957E-06	.003	.003	2.012E-09	11.06	.80	.50	.001

3.4-156

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PR FOR = 3.336E-01
PR FOR = 9.265E-02
RE/METER = 3.254E+06
HO = 2.554E+08(M/M2- K)
TW = 298.1 (K)
STEP = .254(CM)

TT = 1.003E+03(K)
PI = 5.159E+06(N/M2)
T1 = 4.722E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.026E+01(KG/M2-S)
GAP = .127 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG.)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

C#	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSYT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	3.403E-06	.002	.001	5.303E-10	10.56	.77	.50	.001
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	5.334E-06	.002	.002	1.303E-09	10.56	.77	.50	.001
11	30.0	0.00	7.62	0.00	-7.62	3.74	-6.60	3.486E-06	.002	.001	5.564E-10	10.56	.77	.50	.001
12															
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	1.395E-04	.065	.055	8.986E-07	10.56	.77	.50	.035
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	2.393E-03	1.119	.946	2.622E-04	10.56	.77	.50	.601
15	30.0	0.00	7.62	0.00	-7.29	0.00	-6.32	4.041E-03	1.862	1.597	7.370E-04	10.64	.77	.50	
16	30.0	0.00	7.62	0.00	-7.63	0.00	-3.15	3.256E-03	1.330	1.287	4.240E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.025E-03	1.195	1.195	3.541E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	2.970E-03	1.207	1.173	3.509E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.258E-03	.990	.892	2.193E-04	10.79	.78	.50	
20															
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.521E-04	.067	.060	1.005E-06	10.71	.78	.50	.068
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	1.064E-05	.005	.004	4.921E-09	10.71	.78	.50	.005
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	9.312E-06	.004	.004	3.766E-09	10.71	.78	.50	.004
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	6.529E-06	.003	.003	1.909E-09	10.71	.78	.50	.003
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	1.061E-05	.005	.004	4.889E-09	10.71	.78	.50	.005
26	30.0	-3.76	3.86	-3.76	-7.62	5.70	-8.48	1.477E-06	.001	.001	1.104E-10	9.93	.72	.50	.000
27	30.0	-3.81	3.82	-3.90	-7.62	5.04	-8.50	1.226E-06	.001	.000	7.626E-11	9.93	.72	.50	.000
28															
29															
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	1.015E-04	.053	.040	5.230E-07	9.92	.72	.50	.029
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	2.110E-03	1.095	.834	2.262E-04	9.91	.72	.50	.594
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	3.528E-03	1.843	1.434	6.549E-04	10.05	.73	.50	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	3.095E-03	1.355	1.223	4.106E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	3.352E-03	1.345	1.324	4.415E-04	11.45	.82	.50	
35	30.0	-3.99	3.63	-3.99	3.59	0.00	1.17	3.513E-03	1.441	1.428	5.099E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	2.974E-03	1.240	1.175	3.610E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	1.173E-03	.492	.463	5.646E-05	11.14	.80	.50	.397
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	1.028E-04	.043	.041	4.345E-07	11.14	.80	.50	.035
39	30.0	-3.84	3.78	-3.84	7.62	2.35	4.70	9.385E-06	.004	.004	3.613E-09	11.14	.80	.50	.003
40	30.0	-3.91	3.71	-3.91	7.62	3.62	4.70	1.365E-05	.006	.005	7.645E-09	11.14	.80	.50	.005
41	30.0	-3.87	3.75	-3.87	7.62	5.04	4.77	4.401E-06	.002	.002	7.963E-10	11.13	.80	.50	.001
42															
43															
44	30.0	-7.43	.07	-7.37	-7.62	4.91	-10.26	1.439E-05	.009	.006	1.155E-08	9.21	.68	.50	.004
45	30.0	-7.37	.13	-7.37	-7.62	3.72	-10.26	1.211E-05	.007	.005	8.171E-09	9.21	.68	.50	.003
46	30.0	-7.38	.12	-7.38	-7.62	2.37	-10.26	5.231E-06	.003	.002	1.527E-09	9.20	.68	.50	.002
47	30.0	-7.43	.07	-7.38	-7.62	1.16	-10.27	1.592E-04	.091	.063	1.414E-06	9.20	.68	.50	.046

OFW' TEST (92), MOAC-E PSI GAPS, RUN (79) 1973 PAGE 274

		GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
	48	30.0	-7.26	.36	-7.26	-7.62	.33	-10.23	2.134E-03	1.214	.843	2.537E-04	9.22	.68	.50	.614
	49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	3.529E-03	1.978	1.394	6.835E-04	9.34	.69	.50	
	50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	3.858E-03	1.832	1.528	6.936E-04	10.48	.76	.50	
	51	30.0	-7.40	.22	-7.40	0.00	0.00	-3.70	4.251E-03	1.760	1.684	7.346E-04	11.22	.81	.50	
	52	30.0	-7.59	.04	-7.59	3.58	0.00	-.69	5.227E-03	2.077	2.066	1.063E-03	11.54	.83	.50	
	53	30.0	-7.16	.46	-7.16	7.24	0.00	2.69	5.299E-03	2.141	2.094	1.111E-03	11.43	.82	.50	
	54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	3.115E-03	1.264	1.231	3.854E-04	11.40	.82	.50	.590
	55	30.0	-7.30	.32	-7.30	7.62	1.11	2.95	3.513E-04	.147	.143	5.184E-06	11.41	.82	.50	.068
	56															
	57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	1.962E-05	.008	.008	1.530E-08	11.40	.82	.50	.004
	58	30.0	-7.24	.38	-7.24	7.62	4.97	2.98	8.840E-06	.003	.003	2.569E-09	11.40	.82	.50	.002
	59															
	63	30.0	-7.85	0.00	-7.62	-7.14	.27	-10.00	2.326E-03	1.306	.919	2.976E-04	9.32	.69	.50	.661
	61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	1.574E-04	.095	.066	1.556E-06	9.25	.68	.50	.049
	62															
	63	30.0	-11.29	0.00	-7.62	-7.19	3.71	-10.04	1.177E-05	.007	.005	7.634E-09	9.31	.68	.50	.003
	64	30.0	-12.60	0.00	-7.62	-7.14	5.02	-9.99	2.295E-06	.001	.001	2.896E-10	9.33	.69	.50	.001
	65	30.0	-13.22	0.00	-7.62	-7.14	5.63	-9.99	7.139E-06	.004	.003	2.803E-09	9.32	.69	.50	.002
	66	30.0	-7.99	0.00	-7.62	-3.44	.36	-6.79	2.325E-03	1.098	.919	2.500E-04	10.50	.76	.50	.599
	67	30.0	-9.81	0.00	-7.62	-3.44	1.19	-6.79	1.503E-04	.071	.059	1.044E-06	10.50	.76	.50	.039
	68															
	69	30.0	-11.35	0.00	-7.62	-3.50	3.74	-6.84	3.903E-06	.002	.002	6.705E-10	10.49	.76	.50	.001
	70	30.0	-12.65	0.00	-7.62	-3.46	5.04	-6.81	4.574E-06	.002	.002	9.679E-10	10.50	.76	.50	.001
	71	30.0	-13.42	0.00	-7.62	-3.40	5.81	-6.76	2.986E-06	.001	.001	4.115E-10	10.51	.76	.50	.001
	72	30.0	-9.37	0.00	-7.62	0.00	.38	-3.81	5.125E-14	.000	.000	1.065E-25	11.21	.81	.50	.000
	73	30.0	-8.85	0.00	-7.62	0.00	1.15	-3.81	1.823E-04	.076	.072	1.348E-06	11.21	.81	.50	.043
	74	30.0	-10.37	0.00	-7.62	0.00	2.37	-3.81	1.302E-05	.005	.005	6.870E-09	11.21	.81	.50	.003
	75	30.0	-11.40	0.00	-7.62	0.00	3.78	-3.81	1.220E-05	.005	.005	6.031E-09	11.21	.81	.50	.003
	76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	5.523E-06	.002	.002	1.282E-09	11.21	.81	.50	.001
	77															
	78	30.0	-8.04	0.00	-7.62	3.59	.38	-.70	2.977E-03	1.193	1.176	3.449E-04	11.54	.83	.50	.570
	79	30.0	-8.82	0.00	-7.62	3.63	1.17	-.67	2.632E-04	.105	.104	2.694E-06	11.54	.83	.50	.050
	80	30.0	-10.37	0.00	-7.62	3.60	2.42	-.69	1.904E-05	.008	.008	1.410E-08	11.54	.83	.50	.004
	81	30.0	-11.41	0.00	-7.62	3.55	3.76	-.73	1.068E-05	.004	.004	4.443E-09	11.54	.83	.50	.002
	82	30.0	-12.73	0.00	-7.62	3.58	5.08	-.71	1.157E-05	.005	.005	5.301E-09	11.54	.83	.50	.002
	83	30.0	-13.44	0.00	-7.62	3.62	5.79	-.68	1.345E-05	.004	.004	4.249E-09	11.54	.83	.50	.002
	84	30.0	-7.96	0.00	-7.62	7.33	.31	2.54	4.401E-03	1.774	1.739	7.644E-04	11.45	.82	.50	.829
	85	30.0	-8.68	0.00	-7.62	7.36	1.09	2.56	4.030E-04	.162	.159	6.412E-06	11.45	.82	.50	.076
	86															
	87	30.0	-11.23	0.00	-7.62	7.33	3.74	2.54	1.487E-05	.006	.006	8.725E-09	11.45	.82	.50	.003
	88	30.0	-12.52	0.00	-7.62	7.33	5.03	2.54	9.547E-06	.004	.004	3.598E-09	11.45	.82	.50	.002
	89	30.0	-13.16	0.00	-7.62	7.35	5.66	2.56	2.410E-05	.010	.010	2.293E-08	11.45	.82	.50	.005

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 195

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CENT TEST ( 30), MODIF RSI GAPS, RUN ( 93)  1973

 MACH     =  10.200                    TT      =  1.003E+03(K)
 RE/FOOT  =  1.000E+05                 RI      =  5.163E+05(N/M2)
 RL FOOT  =  3.265E-02                 T1      =  4.724E+01(K)
 RE/METER =  3.254E+04                 R1      =  0.980E+02(N/M2)
 HO       =  2.554E+07(M**2/S**2)   KI  (FOR V11 =  1.027E+01(KG/M2-S)
 TW       =*555.0  (K)                  GAP     =  .127 (CM)
 STEP     =  .254(CM)                   CONF    = IN-L

   TAW/TT =1.000 FOR HT/HO                TILE COORDINATES(GAP=0.0
   YSURF =SURFACE DISTANCE                   X9 = X-COOR. FROM TILE L.E.
          (FLOW DIRECTION)                   XC = X-COOR. FROM TILE CENTER
          0.0 IS 90 DEG                      YC = Y-COOR. FROM TILE CENTER

 CH  GAMMA  YSURF   X9     XC      YC      Z      Y-NOR     HT          HT/HO      HT/HF      NSTT        DELS     M-THK   SUB-L     HT/HE
      (DEG)  (CM)   (CM)   (CM)    (CM)   (CM)    (CM)   (KG/M2-S)                                              (CM)    (CM)
  9
 10   0.0    0.00   7.62   0.00    7.62   5.03    7.62   3.628E-06    .002       .001    5.932E-10   10.41    .76     .50      .001
 11
 12   0.0    0.00   7.62   0.00    7.62   2.36    7.62   8.146E-06    .004       .003    2.990E-09   10.41    .76     .50      .003
 13   0.0    0.00   7.62   0.00    7.62   1.14    7.62   1.375E-04    .063       .054    8.510E-07   10.41    .76     .50      .051
 14   0.0    0.00   7.62   0.00    7.62    .33    7.62   1.424E-03    .656       .563    9.139E-05   10.41    .76     .50      .531
 15   0.0    0.00   7.62   0.00    7.29   0.00    7.29   2.713E-03   1.234      1.072    3.270E-04   10.51    .76     .50
 16   0.0    0.00   7.62   0.00    3.63   0.00    3.63   3.129E-03   1.282      1.236    3.928E-04   11.32    .82     .50
 17   0.0    0.00   7.62   0.00    0.00   0.00    0.00   3.179E-03   1.256      1.256    3.909E-04   11.56    .83     .50
 18   0.0    0.00   7.62   0.00   -3.54   0.00   -3.54   3.128E-03   1.288      1.236    3.944E-04   11.25    .81     .50
 19   0.0    0.00   7.62   0.00   -7.27   0.00   -7.27   2.785E-03   1.347      1.101    3.672E-04   10.35    .75     .50
 20
 21   0.0    0.00   7.62   0.00   -7.62   1.17   -7.62   1.337E-04    .066       .053    8.603E-07   10.24    .74     .50      .049
 22   0.0    0.00   7.62   0.00   -7.62   2.39   -7.62   1.275E-05    .001       .001    7.831E-11   10.24    .74     .50      .000
 23   0.0    0.00   7.62   0.00   -7.62   3.70   -7.62   2.035E-06    .001       .001    1.936E-10   10.24    .74     .50      .001
 24   0.0    0.00   7.62   0.00   -7.62   5.07   -7.62   3.318E-06    .002       .001    5.301E-10   10.24    .74     .50      .001
 25
 26   3.7    3.75   11.38  3.76    7.62   5.70    7.62   2.627E-06    .001       .001    3.110E-10   10.41    .76     .50      .001
 27
 28   0.0    3.75   11.38  3.76    7.62   3.72    7.62   5.974E-06    .003       .002    1.608E-09   10.41    .76     .50      .002
 29   0.0    3.81   11.43  3.81    7.62   2.44    7.62   2.887E-06    .001       .001    3.757E-10   10.41    .76     .50      .001
 30   0.0    3.93   11.55  3.93    7.62   1.16    7.62   1.352E-04    .062       .053    8.235E-07   10.41    .76     .50      .047
 31   3.7    3.93   11.49  3.87    7.62    .33    7.62   1.560E-03    .760       .659    1.253E-04   10.41    .76     .50      .574
 32   0.0    3.79   11.41  3.79    7.24   0.00    7.24   2.947E-03   1.338      1.115    3.860E-04   10.53    .77     .50
 33   0.0    3.92   11.54  3.92    3.71   0.00    3.71   2.738E-03   1.124      1.082    3.011E-04   11.31    .82     .50
 34   0.0    3.95   11.57  3.95    0.00   0.00    0.00   2.765E-03   1.093      1.093    2.957E-04   11.56    .83     .50
 35   3.7    3.99   11.61  3.99   -3.59   0.00   -3.59   2.825E-03   1.164      1.116    3.220E-04   11.24    .81     .50
 36   0.0    3.74   11.36  3.74   -7.28   0.00   -7.28   2.548E-03   1.378      1.126    3.842E-04   10.35    .75     .50
 37   0.0    3.79   11.41  3.79   -7.62    .37   -7.62   1.470E-03    .723       .581    1.040E-04   10.24    .74     .59      .525
 38   0.0    3.74   11.36  3.74   -7.62   1.15   -7.62   1.111E-04    .055       .044    5.944E-07   10.24    .74     .50      .040
 39
 40   0.0    3.80   11.42  3.80   -7.62   3.62   -7.62   5.504E-06    .003       .002    1.459E-09   10.24    .74     .50      .002
 41
 42   3.7    3.62   11.24  3.62   -7.62   5.69   -7.62   1.374E-06    .001       .001    1.076E-10   10.24    .74     .50      .001
 43
 44
 45
 46   0.0    7.35   14.99  7.36    7.62   2.37    7.62   9.317E-07    .000       .000    3.912E-11   10.41    .76     .50      .000
 47   0.0    7.35   14.97  7.35    7.62   1.16    7.62   1.505E-04    .074       .063    1.160E-06   10.41    .76     .50      .002
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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 196

J	XBAR (CM)	YSURF (CM)	X2 (CM)	YF (CM)	YF (CM)	Z (CM)	Y-NOD (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	W-THK (CM)	SUB-L (CM)	HT/HE
49	0.0	7.26	14.39	7.26	7.62	.33	7.62	1.15E-03	.534	.458	6.061E-05	10.41	.76	.50	.592
50	0.0	7.27	14.99	7.27	7.30	0.00	7.30	1.981E-03	.901	.783	1.747E-04	10.51	.76	.50	
51	0.0	7.33	14.95	7.33	7.69	0.00	7.69	1.676E-03	.688	.662	1.129E-04	11.31	.82	.50	
52	0.0	7.40	15.02	7.40	0.00	0.00	0.00	1.661E-03	.664	.664	1.092E-04	11.56	.83	.50	
53	0.0	7.59	15.20	7.58	-3.58	0.00	-3.58	1.734E-03	.727	.697	1.255E-04	11.24	.81	.50	
54	0.0	7.16	14.78	7.16	-7.24	0.00	-7.24	1.809E-03	.912	.746	1.687E-04	10.36	.75	.50	.733
55	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	1.359E-03	.669	.537	8.898E-05	10.24	.74	.50	.594
56	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	1.730E-04	.086	.069	1.455E-06	10.24	.74	.50	.002
57	0.0	7.25	14.87	7.25	-7.62	2.32	-7.62	3.712E-06	.002	.001	6.634E-10	10.24	.74	.50	.002
58	0.0	7.25	14.88	7.26	-7.62	3.70	-7.62	3.928E-06	.002	.002	7.429E-10	10.24	.74	.50	.002
59															
60	0.0	7.95	15.24	7.62	7.14	.27	7.14	9.301E-04	.430	.375	3.998E-05	10.56	.77	.50	.477
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	1.550E-04	.071	.061	1.072E-06	10.50	.76	.50	.078
62	0.0	8.92	15.24	7.62	7.13	2.34	7.13	4.555E-06	.002	.002	9.185E-10	10.56	.77	.50	.002
63	0.0	8.99	15.24	7.62	7.10	3.71	7.19	5.262E-06	.002	.002	1.220E-09	10.54	.77	.50	.003
64															
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	1.731E-06	.001	.001	1.328E-10	10.56	.77	.50	.001
66	0.0	9.39	15.24	7.62	3.44	.36	3.44	7.769E-04	.318	.307	2.415E-05	11.35	.82	.50	.462
67	0.0	8.81	15.24	7.62	3.44	1.19	3.44	1.321E-04	.074	.072	1.326E-06	11.35	.82	.50	.108
68	0.0	10.15	15.24	7.62	3.45	2.44	3.45	1.227E-05	.005	.005	6.027E-09	11.34	.82	.50	.007
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	9.740E-06	.004	.004	3.790E-09	11.34	.82	.50	.006
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	6.470E-06	.003	.003	1.675E-09	11.34	.82	.50	.004
71	0.0	13.93	15.24	7.62	3.40	6.41	3.40	3.718E-06	.002	.001	5.526E-10	11.35	.82	.50	.002
72	0.0	9.07	15.24	7.62	0.00	.39	0.00	5.046E-14	.000	.000	9.847E-26	11.56	.83	.50	.000
73	0.0	8.85	15.24	7.62	0.00	1.15	0.00	1.887E-04	.075	.075	1.377E-06	11.56	.83	.50	.112
74	0.0	9.02	15.24	7.62	0.00	2.37	0.00	1.256E-05	.005	.005	6.106E-09	11.56	.83	.50	.007
75	0.0	11.43	15.24	7.62	0.00	3.70	0.00	5.504E-06	.002	.002	1.172E-09	11.56	.83	.50	.003
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	4.210E-06	.002	.002	6.854E-10	11.56	.83	.50	.003
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	2.277E-07	.000	.000	2.006E-12	11.56	.83	.50	.000
78	0.0	8.34	15.24	7.62	-3.59	.38	-3.59	7.775E-04	.321	.307	2.433E-05	11.24	.81	.50	.441
79	0.0	8.83	15.24	7.62	-3.63	1.17	-3.63	1.796E-04	.074	.071	1.294E-06	11.24	.81	.50	.102
80															
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	1.077E-06	.001	.001	1.423E-10	11.25	.81	.50	.001
82															
83	0.0	13.44	15.24	7.62	-3.62	5.79	-3.62	8.391E-06	.003	.003	2.842E-09	11.24	.81	.50	.005
84															
85	0.0	7.81	15.24	7.62	-7.33	.31	-7.33	1.355E-03	.512	.417	5.289E-05	10.33	.75	.50	.561
86	0.0	7.93	15.24	7.62	-7.36	1.49	-7.36	1.240E-04	.051	.049	7.399E-07	10.32	.75	.50	.066
87	0.0	8.09	15.24	7.62	-7.36	2.36	-7.36	1.158E-05	.006	.005	6.379E-09	10.32	.75	.50	.006
88	0.0	11.44	15.24	7.62	-7.33	3.74	-7.33	2.178E-06	.001	.001	2.251E-10	10.33	.75	.50	.001
89	0.0	12.68	15.24	7.62	-7.33	5.03	-7.33	3.156E-06	.002	.001	4.710E-10	10.33	.75	.50	.002

GHT TEST (32), MDAC-E RSI GAPS, RUN (91) 1973 PAGE 197

MACH = 20.290 TT = 1.003E+03(K)
PX FOR = 3.335E-01 PI = 5.161E+06(N/M2)
PL FOR = 9.251E-02 T1 = 4.724E+01(K)
RE/METER = 3.253E+06 P1 = 0.980E+02(N/M2)
HO = 2.554E+08(W/M2- K) (RHO V)1 = 1.025E+01(KG/M2-S)
TW = 297.8 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =IN-L

T&W/TT =1.495 FOR HT/HO TILE COORDINATES(GAMMA=0.0
XSURF =SURFACE DISTANCE X9 = X-COOR. FROM TILE L.E.
(FLOW DIRECTION) XC = X-COOR. FROM TILE CENTER
(0.0 OR 90 DEG) YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	8.956E-06	.004	.004	3.615E-09	10.43	.76	.50	.004
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	1.331E-05	.006	.005	7.966E-09	10.43	.76	.50	.006
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	1.560E-05	.007	.006	1.012E-08	10.43	.76	.50	.006
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	4.327E-06	.002	.002	8.422E-10	10.43	.76	.50	.002
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	1.328E-04	.061	.052	7.932E-07	10.43	.76	.50	.056
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.192E-03	.547	.471	6.386E-05	10.43	.76	.50	.504
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.393E-03	1.086	.945	2.545E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	3.135E-03	1.284	1.239	3.942E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.205E-03	1.266	1.266	3.974E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	0.00	-3.51	3.123E-03	1.295	1.234	3.930E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	3.238E-03	1.561	1.279	4.949E-04	10.37	.75	.50	
20															
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	1.274E-04	.062	.050	7.799E-07	10.26	.75	.50	.040
22															
23															
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	5.222E-06	.003	.002	1.310E-09	10.26	.75	.50	.002
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	1.980E-06	.001	.001	1.883E-10	10.26	.75	.50	.001
26	7.5	3.75	11.38	3.76	7.62	5.70	8.05	1.578E-06	.001	.001	1.304E-10	10.28	.75	.50	.001
27	7.5	3.80	11.42	3.80	7.62	5.04	8.05	2.769E-06	.001	.001	3.551E-10	10.28	.75	.50	.001
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	1.063E-05	.005	.004	5.233E-09	10.28	.75	.50	.004
29	7.5	3.81	11.43	3.81	7.62	2.44	8.05	2.130E-06	.001	.001	2.101E-10	10.28	.75	.50	.001
30	7.5	3.87	11.45	3.83	7.62	1.16	8.05	1.239E-04	.059	.049	7.109E-07	10.27	.75	.50	.052
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.291E-03	.606	.506	7.604E-05	10.27	.75	.50	.535
32	7.5	3.79	11.41	3.79	7.24	0.00	7.67	2.452E-03	1.133	.969	2.720E-04	10.40	.76	.50	
33	7.5	3.82	11.44	3.82	3.71	0.00	4.19	2.547E-03	1.097	1.046	2.844E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.770E-03	1.099	1.094	2.981E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	2.960E-03	1.198	1.162	3.449E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	3.597E-03	1.632	1.421	5.361E-04	10.52	.76	.50	
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	1.921E-03	.919	.759	1.733E-04	10.42	.76	.50	.543
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	1.007E-04	.048	.040	4.753E-07	10.42	.76	.50	.028
39															
40	7.5	3.91	11.42	3.90	-7.62	3.62	-7.06	6.712E-08	.000	.000	2.111E-13	10.42	.76	.50	.000
41															
42															
43															
44	7.5	7.33	14.95	7.33	7.62	4.91	8.51	8.616E-06	.004	.003	3.537E-09	10.12	.74	.50	.005
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	1.618E-05	.008	.006	1.248E-08	10.12	.74	.50	.012
46	7.5	7.36	14.98	7.36	7.62	2.37	8.51	1.701E-05	.008	.007	1.378E-08	10.12	.74	.50	.012
47	7.5	7.35	14.97	7.35	7.62	1.16	8.51	1.547E-04	.075	.061	1.141E-06	10.12	.74	.50	.111

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 198

CH	RADIUS (INCH)	XSURF (CM)	X3 (CM)	W (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KCAL/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	7.5	7.25	14.89	7.26	7.62	.33	9.50	7.721E-04	.375	.385	2.039E-05	10.12	.74	.50	.554
49	7.5	7.27	14.89	7.27	7.31	0.00	8.19	1.922E-03	.678	.562	9.441E-05	10.23	.75	.50	
50	7.5	7.33	14.95	7.33	3.69	3.00	4.61	1.579E-03	.656	.624	1.021E-04	11.16	.81	.50	
51	7.5	7.42	15.02	7.40	0.00	0.00	-.97	1.784E-03	.679	.673	1.132E-04	11.55	.83	.50	
52	7.5	7.50	15.20	7.50	-3.58	0.00	-2.56	1.932E-03	.779	.763	1.474E-04	11.39	.82	.50	
53	7.5	7.15	14.78	7.15	-7.24	0.00	-6.25	2.723E-03	1.251	1.076	3.336E-04	10.66	.77	.50	
54	7.5	7.23	14.88	7.26	-7.62	.31	-6.61	1.983E-03	.927	.783	1.800E-04	10.56	.77	.50	.741
55	7.5	7.35	14.92	7.30	-7.62	1.11	-6.60	1.398E-04	.093	.079	1.827E-06	10.56	.77	.50	.875
56	7.5	7.25	14.87	7.25	-7.62	2.32	-6.61	1.114E-06	.001	.000	5.684E-11	10.56	.77	.50	.000
57															
58	7.5	7.24	14.86	7.24	-7.62	4.97	-6.61	2.448E-06	.001	.001	2.746E-10	10.55	.77	.50	.001
59	7.5	7.25	14.87	7.25	-7.62	5.62	-6.61	9.217E-06	.004	.004	3.991E-09	10.55	.77	.50	.003
60	7.5	7.25	15.24	7.62	7.14	.27	8.08	6.425E-04	.304	.254	1.915E-05	10.27	.75	.50	.443
61	7.5	7.25	15.24	7.62	7.35	1.17	8.28	1.509E-04	.072	.060	1.070E-06	10.20	.75	.50	.107
62	7.5	7.32	15.31	7.62	7.13	2.34	8.06	9.197E-06	.004	.004	3.927E-09	10.27	.75	.50	.005
63	7.5	11.29	15.24	7.62	7.19	3.71	8.12	5.001E-06	.002	.002	1.164E-09	10.25	.75	.50	.004
64	7.5	12.53	15.24	7.62	7.14	5.02	8.07	1.095E-05	.005	.004	5.556E-09	10.27	.75	.50	.008
65	7.5	13.32	15.24	7.62	7.14	5.63	8.07	3.442E-06	.002	.001	5.496E-10	10.27	.75	.50	.002
66	7.5	13.32	15.24	7.62	3.44	.36	4.41	7.367E-04	.306	.231	2.203E-05	11.20	.81	.50	.464
67	7.5	13.24	15.24	7.62	3.44	1.13	4.41	1.345E-04	.091	.077	1.564E-06	11.20	.81	.50	.123
68	7.5	13.06	15.24	7.62	3.45	2.44	4.41	4.995E-06	.002	.002	1.014E-09	11.19	.81	.50	.003
69	7.5	11.15	15.24	7.62	3.53	3.74	4.46	4.757E-06	.002	.002	9.241E-10	11.19	.81	.50	.003
70															
71	7.5	13.42	15.24	7.62	3.43	5.81	4.37	4.523E-06	.002	.002	8.710E-10	11.20	.81	.50	.003
72	7.5	13.42	15.24	7.62	0.00	.38	.99	5.294E-14	.000	.000	1.093E-25	11.55	.83	.50	.000
73															
74	7.5	8.92	15.24	7.62	0.00	1.15	.99	1.772E-04	.071	.076	1.225E-05	11.55	.83	.50	.104
75	7.5	10.07	15.24	7.62	0.00	2.37	.99	7.841E-06	.003	.003	2.398E-09	11.55	.83	.50	.005
76	7.5	11.40	15.24	7.62	0.00	3.70	.99	1.123E-05	.004	.004	4.319E-09	11.55	.83	.50	.007
77	7.5	12.69	15.24	7.62	0.00	4.99	.99	5.156E-07	.000	.000	1.137E-11	11.55	.83	.50	.000
78	7.5	13.43	15.24	7.62	0.00	5.74	.99	9.783E-05	.034	.034	3.733E-09	11.55	.83	.50	.005
79	7.5	8.04	15.24	7.62	-3.59	.38	-2.57	8.325E-04	.338	.329	2.737E-05	11.39	.82	.50	.431
80	7.5	8.92	15.24	7.62	-3.63	1.17	-2.60	1.512E-04	.065	.064	1.027E-06	11.38	.82	.50	.033
81	7.5	10.07	15.24	7.62	-3.60	2.42	-2.58	1.237E-05	.005	.005	6.043E-09	11.39	.82	.50	.005
82	7.5	11.41	15.24	7.62	-3.55	3.76	-2.53	5.023E-06	.002	.002	3.357E-10	11.39	.82	.50	.003
83															
84	7.5	13.44	15.24	7.62	-3.62	5.79	-2.59	5.756E-06	.002	.002	1.314E-09	11.38	.82	.50	.003
85															
86	7.5	7.81	15.24	7.62	-7.33	.31	-6.27	1.482E-03	.681	.585	9.889E-05	10.65	.77	.50	.545
87	7.5	9.59	15.24	7.62	-7.36	1.09	-6.30	1.299E-04	.050	.351	7.612E-07	10.64	.77	.50	.049
88	7.5	9.85	15.24	7.62	-7.36	2.36	-6.30	7.237E-06	.003	.003	2.362E-09	10.64	.77	.50	.003
89	7.5	11.23	15.24	7.62	-7.33	3.74	-6.27	1.464E-06	.001	.001	9.324E-11	10.65	.77	.50	.001
90															
91															
92															
93															
94															
95															
96															
97															
98															
99															

BEST AVAILABLE COPY. PAGE IS POOR.

MACH = 10.230 TT = 1.003E+03(K)
PX FUS = 3.316E-01 PI = 5.164E+06(N/M2)
PL FUS = 8.264E-02 T1 = 4.725E+01(K)
PE/METER = 3.254E+05 P1 = 0.980E+02(N/M2)
HC = 2.554E+08(W/M2- K) (RHO V)1 = 1.027E+01(KG/M2-S)
Tw = 296.2 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.835 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	W-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	1.011E-05	.005	.004	4.563E-09	13.49	.76	.50	.005
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	8.567E-06	.003	.003	1.925E-09	10.49	.76	.50	.003
11															
12	15.0	0.00	7.62	0.00	7.62	2.36	7.36	3.548E-06	.002	.001	5.618E-10	10.49	.76	.50	.002
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	1.234E-04	.056	.049	6.795E-07	10.49	.76	.50	.057
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	1.630E-03	.470	.407	4.735E-05	10.49	.76	.50	.472
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	2.209E-03	.996	.873	2.153E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	3.155E-03	1.291	1.247	3.986E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.146E-03	1.243	1.243	3.829E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.54	0.00	-3.42	3.074E-03	1.263	1.215	3.799E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	3.593E-03	1.764	1.459	6.376E-04	10.43	.76	.50	
20															
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	1.348E-04	.065	.053	8.640E-07	10.32	.75	.50	.037
22															
23	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	1.889E-07	.000	.000	1.697E-12	10.32	.75	.50	.000
24	15.0	0.00	7.62	0.00	-7.62	5.07	-7.36	1.148E-06	.001	.000	6.264E-11	10.32	.75	.50	.000
25	15.0	0.00	7.62	0.00	-7.62	5.73	-7.36	2.202E-06	.001	.001	2.304E-10	10.32	.75	.50	.001
26	15.0	3.76	11.38	3.76	7.62	5.70	8.33	3.599E-06	.002	.001	6.445E-10	10.18	.74	.50	.002
27															
28	15.0	3.76	11.38	3.76	7.62	3.72	8.33	1.695E-08	.000	.000	1.052E-14	10.18	.74	.50	.000
29	15.0	3.81	11.43	3.81	7.62	2.44	8.35	1.713E-06	.001	.001	1.383E-10	10.18	.74	.50	.001
30	15.0	3.93	11.45	3.93	7.62	1.16	8.35	1.148E-04	.055	.045	6.215E-07	10.17	.74	.50	.055
31	15.0	3.87	11.49	3.87	7.62	.33	8.36	1.067E-03	.514	.422	5.371E-05	10.17	.74	.50	.512
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	2.135E-03	1.005	.843	2.180E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.658E-03	1.116	1.054	2.915E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.715E-03	1.082	1.073	2.875E-04	11.55	.83	.50	
35	15.0	3.89	11.51	3.89	-3.59	0.00	-2.46	3.015E-03	1.215	1.191	3.584E-04	11.40	.82	.50	
36	15.0	3.74	11.36	3.74	-7.28	0.00	-6.06	4.232E-03	1.928	1.672	7.986E-04	13.71	.70	.50	
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	2.384E-03	1.065	.911	2.402E-04	10.62	.77	.50	.552
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	9.495E-05	.044	.038	4.082E-07	10.62	.77	.50	.023
39															
40	15.0	3.80	11.42	3.80	-7.62	3.62	-6.38	6.550E-07	.000	.000	2.801E-11	10.62	.77	.50	.000
41															
42	15.0	3.62	11.24	3.62	-7.62	5.68	-6.42	4.852E-06	.002	.002	1.072E-09	10.61	.77	.50	.001
43	15.0	7.35	14.97	7.35	7.62	5.70	9.26	4.986E-06	.002	.002	8.310E-10	9.85	.72	.50	.004
44	15.0	7.33	14.95	7.33	7.62	4.91	9.26	4.719E-06	.002	.002	1.109E-09	9.85	.7.	.50	.004
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	1.795E-06	.001	.001	1.683E-10	9.85	.72	.50	.002
46	15.0	7.36	14.98	7.36	7.62	2.37	9.26	1.313E-05	.007	.005	8.582E-09	9.84	.72	.50	.012
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	1.329E-04	.068	.053	8.794E-07	9.85	.72	.50	.126

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (92), MOAC-F RSI GAPS, RUN (82) 1973 PAGE 200

CM	GAMMA (DEG)	ASURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	15.0	7.26	14.88	7.26	7.62	.33	9.24	5.596E-04	.284	.261	1.557E-05	9.85	.72	.50	.530
49	15.0	7.27	14.89	7.27	7.30	0.00	8.93	1.076E-03	.537	.425	5.648E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.600E-03	.684	.632	1.071E-04	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.723E-03	.691	.681	1.166E-04	11.50	.83	.50	
52	15.0	7.58	15.20	7.58	-3.58	0.00	-1.50	2.098E-03	.839	.829	1.722E-04	11.49	.83	.50	
53	15.0	7.16	14.78	7.16	-7.24	0.00	-5.14	3.547E-03	1.551	1.402	5.384E-04	10.94	.79	.50	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.49	2.645E-03	1.174	1.045	3.041E-04	10.86	.78	.50	.757
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	2.608E-04	.116	.103	2.954E-06	10.86	.78	.50	.075
56															
57	15.0	7.26	14.88	7.26	-7.62	3.70	-5.48	1.426E-06	.001	.001	8.042E-11	10.86	.78	.50	.000
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	7.449E-06	.003	.003	2.411E-09	10.86	.78	.50	.002
59	15.0	7.25	14.87	7.25	-7.62	5.62	-5.48	3.115E-06	.001	.001	4.215E-10	10.86	.78	.50	.001
60	15.0	7.45	15.24	7.62	7.14	.27	8.87	4.500E-04	.229	.182	1.829E-05	9.99	.73	.50	.426
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	1.473E-04	.074	.058	1.867E-06	9.92	.73	.50	.138
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	1.089E-05	.005	.004	5.768E-09	10.00	.73	.50	.010
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	8.793E-06	.004	.003	3.772E-09	9.97	.73	.50	.008
64	15.0	12.69	15.24	7.62	7.14	5.02	8.87	8.711E-06	.004	.003	3.698E-09	9.99	.73	.50	.008
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	3.516E-06	.002	.001	6.012E-10	9.99	.73	.50	.003
66	15.0	7.99	15.24	7.62	3.44	.36	5.30	7.256E-04	.309	.287	2.193E-05	11.02	.80	.50	.451
67	15.0	8.91	15.24	7.62	3.44	1.19	5.30	1.642E-04	.070	.065	1.123E-06	11.02	.80	.50	.102
68	15.0	10.06	15.24	7.62	3.45	2.44	5.30	3.348E-06	.001	.001	4.670E-10	11.02	.80	.50	.002
69	15.0	11.35	15.24	7.62	3.50	3.74	5.35	1.845E-06	.001	.001	1.421E-10	11.01	.80	.50	.001
70															
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	6.107E-07	.000	.000	1.552E-11	11.03	.80	.50	.000
72	15.0	9.07	15.24	7.62	0.30	.39	1.97	5.292E-14	.000	.000	1.096E-25	11.50	.83	.50	.000
73	15.0	8.85	15.24	7.62	0.00	1.15	1.97	1.760E-04	.071	.070	1.217E-06	11.50	.83	.50	.102
74	15.0	10.07	15.24	7.62	0.00	2.37	1.97	6.950E-06	.003	.003	1.897E-09	11.50	.83	.50	.004
75	15.0	11.43	15.24	7.62	0.00	3.70	1.97	5.774E-07	.000	.000	1.310E-11	11.50	.83	.50	.000
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	8.140E-06	.003	.003	2.603E-09	11.50	.83	.50	.005
77	15.0	13.43	15.24	7.62	0.00	5.74	1.97	4.240E-06	.002	.002	7.062E-10	11.50	.83	.50	.002
78	15.0	9.04	15.24	7.62	-3.59	.38	-1.50	8.755E-04	.350	.346	3.000E-05	11.49	.83	.50	.417
79	15.0	9.42	15.24	7.62	-3.63	1.17	-1.53	1.554E-04	.063	.062	9.576E-07	11.49	.83	.50	.075
80															
81	15.0	11.41	15.24	7.62	-3.55	3.76	-1.46	5.786E-06	.002	.002	1.310E-09	11.50	.83	.50	.003
82															
83															
84	15.0	7.90	15.24	7.62	-7.33	.31	-5.11	1.948E-03	.850	.770	1.621E-04	10.94	.79	.50	.548
85	15.0	8.59	15.24	7.62	-7.36	1.09	-5.14	1.425E-04	.062	.056	8.685E-07	10.94	.79	.50	.040
86	15.0	9.95	15.24	7.62	-7.36	2.36	-5.14	2.165E-07	.000	.000	1.895E-12	10.94	.79	.50	.000
87															
88															
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

POOR QUALITY OF THE ORIGINAL PAGE IS POOR

MACH = 10.296 TT = 1.004E+03(K)
PX SQS = 3.303E-01 PI = 5.164E+06(N/M2)
PL SQS = 8.274E-02 T1 = 4.730E+01(K)
DE/METER = 2.248E+06 P1 = 0.980E+02(N/M2)
HO = 2.654E+08(N/M2- K) (RHO V)1 = 1.026E+01(KG/M2-S)
TW = 298.3 (K) GAP = .127 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	7.62	5.70	6.60	1.341E-05	.006	.005	7.815E-09	10.71	.78	.50	.007
10	30.0	0.00	7.62	0.00	7.62	5.03	6.60	8.574E-06	.004	.003	3.143E-09	10.71	.78	.50	.004
11	30.0	0.00	7.62	0.00	7.62	3.74	6.60	8.984E-06	.004	.004	3.505E-09	10.71	.78	.50	.004
12	30.0	0.00	7.62	0.00	7.62	2.36	6.60	1.114E-05	.005	.004	5.392E-09	10.71	.78	.50	.006
13	30.0	0.00	7.62	0.00	7.62	1.14	6.60	1.305E-04	.058	.052	7.399E-07	10.71	.78	.50	.065
14	30.0	0.00	7.62	0.00	7.62	.33	6.60	9.013E-04	.400	.356	3.529E-05	10.71	.78	.50	.450
15	30.0	0.00	7.62	0.00	7.29	0.00	6.32	2.025E-03	.899	.800	1.763E-04	10.78	.78	.50	
16	30.0	0.00	7.62	0.00	3.63	0.00	3.15	3.055E-03	1.243	1.207	3.719E-04	11.38	.82	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.135E-03	1.239	1.239	3.804E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	-3.54	0.00	-3.07	3.228E-03	1.316	1.276	4.161E-04	11.32	.81	.50	
19	30.0	0.00	7.62	0.00	-7.27	0.00	-6.29	4.403E-03	2.027	1.740	8.748E-04	10.64	.77	.50	
20	30.0	0.00	7.62	0.00	-7.62	.41	-6.60	2.930E-06	.001	.001	3.938E-10	10.56	.77	.50	.001
21	30.0	0.00	7.62	0.00	-7.62	1.17	-6.60	1.583E-04	.079	.066	1.296E-06	10.56	.77	.50	.039
22															
23	30.0	0.00	7.62	0.00	-7.62	3.70	-6.60	1.263E-05	.006	.005	7.389E-09	10.56	.77	.50	.003
24	30.0	0.00	7.62	0.00	-7.62	5.07	-6.60	5.312E-06	.002	.002	1.292E-09	10.56	.77	.50	.001
25															
26															
27	30.0	3.90	11.42	3.90	7.62	5.04	8.58	8.746E-06	.004	.003	3.637E-09	10.12	.74	.50	.005
28	30.0	3.76	11.38	3.76	7.62	3.72	8.48	7.374E-06	.004	.003	2.586E-09	10.13	.74	.50	.004
29															
30	30.0	3.83	11.45	3.83	7.62	1.16	8.51	1.078E-04	.052	.043	5.543E-07	10.12	.74	.50	.062
31	30.0	3.87	11.49	3.87	7.62	.33	8.53	8.529E-04	.415	.337	3.478E-05	10.11	.74	.50	.488
32	30.0	3.79	11.41	3.79	7.24	0.00	8.17	1.786E-03	.851	.736	1.488E-04	10.24	.75	.50	
33	30.0	3.32	11.54	3.32	3.71	0.00	5.17	2.392E-03	1.099	1.024	2.791E-04	11.05	.80	.50	
34	30.0	3.95	11.57	3.95	0.00	0.00	1.98	2.732E-03	1.096	1.079	2.932E-04	11.50	.83	.50	
35	30.0	3.99	11.51	3.99	-3.59	0.00	-1.17	3.377E-03	1.347	1.334	4.454E-04	11.51	.83	.50	
36	30.0	3.74	11.36	3.74	-7.28	0.00	-4.43	5.496E-03	2.334	2.172	1.256E-03	11.09	.80	.50	
37	30.0	3.79	11.41	3.79	-7.62	.37	-4.70	3.895E-03	1.329	1.223	4.027E-04	11.03	.80	.50	.569
38	30.0	3.74	11.36	3.74	-7.62	1.15	-4.73	1.187E-04	.051	.047	5.936E-07	11.03	.80	.50	.022
39															
40	30.0	3.90	11.42	3.90	-7.62	3.62	-4.70	5.550E-06	.002	.002	1.342E-09	11.03	.80	.50	.001
41	30.0	3.67	11.29	3.67	-7.62	5.04	-4.77	7.636E-06	.003	.003	2.460E-09	11.02	.80	.50	.001
42	30.0	3.62	11.24	3.62	-7.62	5.68	-4.79	6.408E-06	.003	.003	1.729E-09	11.02	.79	.50	.001
43	30.0	7.35	14.97	7.35	7.62	5.70	10.27	4.853E-06	.003	.002	1.241E-09	9.44	.70	.50	.006
44	30.0	7.33	14.95	7.33	7.62	4.91	10.26	2.654E-06	.001	.001	3.711E-10	9.44	.70	.50	.003
45	30.0	7.32	14.94	7.32	7.62	3.72	10.26	6.563E-06	.004	.003	2.269E-09	9.45	.70	.50	.008
46	30.0	7.36	14.98	7.36	7.62	2.37	10.28	7.778E-06	.004	.003	3.183E-09	9.44	.70	.50	.010
47	30.0	7.35	14.97	7.35	7.62	1.16	10.27	1.586E-04	.085	.063	1.326E-06	9.44	.70	.50	.199

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 202

CM	GAMMA (DEG)	WSURF (CM)	YB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	30.0	7.25	14.89	7.26	7.62	.33	10.23	3.742E-04	.201	.148	7.363E-06	9.46	.70	.50	.469
49	30.0	7.27	14.93	7.27	7.30	0.00	9.96	8.105E-04	.429	.321	3.403E-05	9.57	.70	.50	
50	30.0	7.33	14.95	7.33	3.69	0.60	6.86	1.511E-03	.722	.537	1.141E-04	10.64	.77	.50	
51	30.0	7.40	15.02	7.40	0.00	0.30	3.70	1.806E-03	.774	.45	1.430E-04	11.31	.82	.50	
52	30.0	7.54	15.24	7.54	-3.69	0.00	.69	2.543E-03	1.010	1.005	2.517E-04	11.55	.83	.50	
53	30.0	7.15	14.74	7.16	-7.24	0.00	-2.69	5.449E-03	2.042	1.995	1.009E-03	11.37	.82	.50	.776
54	30.0	7.25	14.96	7.26	-7.62	.31	-2.97	3.897E-03	1.585	1.540	6.049E-04	11.34	.82	.50	.077
55	30.0	7.31	14.92	7.33	-7.62	1.11	-2.95	3.844E-04	.156	.152	5.883E-06	11.34	.82	.50	
56															
57	30.0	7.25	14.88	7.26	-7.62	3.70	-2.97	1.073E-06	.000	.000	4.587E-11	11.34	.82	.50	.000
58	30.0	7.24	14.96	7.24	-7.62	4.97	-2.98	1.179E-07	.000	.000	5.541E-13	11.33	.82	.50	.000
59	30.0	7.25	14.87	7.25	-7.62	5.62	-2.97	9.712E-06	.004	.004	3.750E-09	11.34	.82	.50	.002
60	30.0	7.25	15.24	7.14	7.14	.27	10.00	3.224E-04	.171	.127	5.395E-06	9.55	.70	.50	.399
61	30.0	7.25	15.24	7.62	7.35	1.17	10.17	1.562E-04	.085	.063	1.312E-06	9.40	.70	.50	.190
62	30.0	7.32	15.24	7.62	7.13	2.34	9.98	5.337E-06	.003	.002	1.590E-09	9.56	.70	.50	.007
63	30.0	11.23	15.24	7.62	7.19	3.71	10.04	1.666E-06	.001	.001	1.445E-10	9.54	.70	.50	.002
64	30.0	12.64	15.24	7.62	7.14	5.62	9.99	5.592E-06	.003	.002	1.623E-09	9.56	.70	.50	.007
65	30.0	13.22	15.24	7.62	7.14	5.63	9.99	8.818E-06	.005	.003	4.036E-09	9.56	.70	.50	.011
66	30.0	7.34	15.24	7.62	3.44	.36	6.79	7.333E-04	.320	.290	2.353E-05	10.66	.77	.50	.454
67	30.0	8.91	15.24	7.62	3.44	1.19	6.79	1.116E-04	.063	.056	9.775E-07	10.66	.77	.50	.088
68	30.0	10.06	15.24	7.62	3.45	2.44	6.80	5.544E-06	.002	.002	1.345E-09	10.66	.77	.50	.003
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	1.792E-06	.001	.001	1.408E-10	10.64	.77	.50	.001
70															
71															
72	30.0	9.07	15.24	7.62	0.00	.33	3.81	5.152E-14	.000	.000	1.068E-25	11.29	.81	.50	.000
73	30.0	8.86	15.24	7.62	0.00	1.15	3.81	1.336E-04	.067	.065	1.077E-06	11.29	.81	.50	.007
74	30.0	10.03	15.24	7.62	0.00	2.37	3.81	5.956E-06	.002	.002	1.428E-09	11.29	.81	.50	.003
75															
76	30.0	12.69	15.24	7.62	0.00	4.09	3.81	4.476E-06	.002	.002	8.065E-10	11.29	.81	.50	.002
77	30.0	13.43	15.24	7.62	0.00	5.74	3.81	2.733E-06	.001	.001	3.006E-10	11.29	.81	.50	.001
78	30.0	8.03	15.24	7.62	-3.59	.38	.70	1.610E-03	.805	.402	4.036E-05	11.55	.83	.50	.400
79	30.0	8.92	15.24	7.62	-3.63	1.17	.67	1.499E-04	.059	.059	8.623E-07	11.56	.83	.50	.059
80	30.0	10.07	15.24	7.62	-3.60	2.42	.59	7.780E-06	.003	.003	2.360E-09	11.55	.83	.50	.003
81	30.0	11.41	15.24	7.62	-3.55	3.76	.73	2.510E-06	.001	.001	2.432E-10	11.55	.83	.50	.001
82	30.0	12.73	15.24	7.62	-3.58	5.10	.71	6.539E-06	.003	.003	1.715E-09	11.55	.83	.50	.003
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	4.943E-06	.002	.002	9.661E-10	11.56	.83	.50	.002
84	30.0	7.33	15.24	7.62	-7.33	.31	-2.54	2.355E-03	1.191	1.168	3.446E-04	11.39	.82	.50	.593
85	30.0	8.84	15.24	7.62	-7.36	1.03	-2.56	1.392E-04	.070	.079	1.567E-06	11.39	.82	.50	.039
86															
87	30.0	11.23	15.24	7.62	-7.33	3.74	-2.54	4.656E-06	.002	.002	3.573E-10	11.39	.82	.50	.001
88															
89	30.0	14.00	15.24	7.62	-7.33	5.03	-2.54	2.393E-06	.001	.001	3.537E-11	11.33	.82	.50	.001
90															

CEHT TEST (92), MOAC-E RSI GAPS, RUN (84) 1973 PAGE 275

MACH = 10.290 TT = 1.006E+03(K)
PX E06 = 1.300E+05 PI = 5.164E+06(N/M2)
PL E06 = 9.221E-02 T1 = 4.739E+01(K)
PE/METER = 3.236E+06 P1 = 0.980E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.025E+01(KG/M2-S)
TW =*555.0 (K) GAP = .127 (CM)
STEP = 9.000(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	1.638E-06	.001	.001	1.278E-10	10.32	.75	.50	.001
11															
12															
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	5.229E-05	.025	.021	1.30[illegible]E-07	10.32	.75	.50	.825
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	9.719E-04	.472	.384	4.499E-05	10.32	.75	.50	.460
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	2.147E-03	1.027	.849	2.162E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	2.974E-03	1.224	1.175	3.568E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	2.939E-03	1.161	1.161	3.347E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	2.841E-03	1.161	1.123	3.233E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.181E-03	.903	.862	2.102E-04	10.59	.77	.50	
20															
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	7.854E-05	.036	.031	2.759E-07	10.49	.76	.50	.036
22															
23															
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	2.415E-06	.001	.001	2.607E-10	10.49	.76	.50	.001
25															
26	15.0	-3.76	3.86	-3.76	-7.62	5.70	-8.33	1.858E-06	.001	.001	1.736E-10	9.99	.73	.50	.001
27															
28															
29															
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.[illegible]9	5.053E-05	.026	.020	1.286E-07	9.98	.73	.50	.024
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	1.026E-03	.527	.405	5.302E-05	9.98	.73	.50	.493
32	15.0	-3.79	3.93	-3.79	-7.24	0.00	-7.98	2.127E-03	1.069	.841	2.229E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	2.827E-03	1.209	1.117	3.351E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.82	2.972E-03	1.184	1.174	3.451E-04	11.52	.83	.50	
35	15.0	-3.89	3.73	-3.89	3.59	0.00	2.46	3.053E-03	1.230	1.206	3.682E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.06	2.321E-03	1.011	.917	2.380E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	9.393E-04	.413	.371	3.806E-05	10.77	.78	.50	.489
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	6.463E-05	.028	.026	1.803E-07	10.76	.78	.50	.028
39	15.0	-3.80	3.82	-3.80	7.62	2.35	6.38	3.892E-06	.002	.002	6.534E-10	10.77	.78	.50	.002
40	15.0	-3.90	3.82	-3.80	7.62	3.62	6.38	1.819E-06	.001	.001	1.426E-10	10.77	.78	.50	.001
41															
42															
43															
44															
45	15.0	-7.32	.30	-7.32	-7.62	3.72	-9.25	3.537E-06	.002	.001	6.622E-10	9.63	.71	.50	.002
46	15.0	-7.35	.26	-7.35	-7.62	2.37	-9.26	2.326E-06	.001	.001	2.866E-10	9.63	.71	.50	.002
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	5.230E-05	.028	.021	1.449E-07	9.63	.71	.50	.034
48	15.0	-7.26	.36	-7.25	-7.62	.33	-9.24	7.333E-04	.396	.290	2.845E-05	9.64	.71	.50	.475

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CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	1.569E-03	.832	.620	1.281E-04	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	2.024E-03	.897	.800	1.781E-04	10.86	.79	.50	
51	15.0	-7.40	.22	-7.40	0.00	0.00	-1.92	2.106E-03	.845	.832	1.744E-04	11.46	.82	.50	
52	15.0	-7.58	.04	-7.58	3.58	0.00	1.50	2.295E-03	.917	.907	2.064E-04	11.53	.83	.50	
53	15.0	-7.16	.46	-7.16	7.24	0.00	5.14	1.727E-03	.732	.683	1.240E-04	11.06	.80	.50	
54	15.0	-7.26	.36	-7.26	7.62	.31	5.48	9.710E-04	.416	.384	3.958E-05	10.98	.79	.50	.568
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	9.758E-05	.042	.039	4.004E-07	10.99	.79	.50	.057
56															
57	15.0	-7.26	.36	-7.26	7.62	3.70	5.48	5.299E-06	.002	.002	1.179E-09	10.98	.79	.50	.003
58															
59															
60	15.0	-7.46	0.00	-7.62	-7.14	.27	-8.87	7.805E-04	.413	.308	3.158E-05	9.79	.72	.50	.496
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.07	4.777E-05	.026	.019	1.196E-07	9.71	.71	.50	.031
62															
63	15.0	-11.24	0.00	-7.62	-7.19	3.71	-8.92	2.151E-06	.001	.001	2.404E-10	9.77	.71	.50	.001
64	15.0	-12.63	0.00	-7.62	-7.14	5.02	-8.87	3.526E-06	.002	.001	6.444E-10	9.79	.72	.50	.002
65															
66	15.0	-7.99	0.00	-7.62	-3.44	.36	-5.36	9.532E-04	.420	.377	3.922E-05	10.90	.79	.50	.468
67	15.0	-8.91	0.00	-7.62	-3.44	1.19	-5.30	7.059E-05	.031	.028	2.151E-07	10.90	.79	.50	.035
68															
69															
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	6.375E-06	.003	.002	1.595E-09	10.90	.79	.50	.003
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	4.152E-06	.002	.002	7.429E-10	10.91	.79	.50	.002
72	15.0	-8.07	0.00	-7.62	0.00	.38	-1.97	5.252E-14	.000	.000	1.090E-25	11.45	.82	.50	.000
73	15.0	-8.69	0.00	-7.62	0.00	1.15	-1.97	7.407E-05	.033	.030	2.206E-07	11.45	.82	.50	.036
74	15.0	-10.07	0.00	-7.62	0.00	2.37	-1.97	7.264E-06	.003	.003	2.076E-09	11.45	.82	.50	.003
75	15.0	-11.43	0.00	-7.62	0.00	3.70	-1.97	7.686E-06	.003	.003	2.324E-09	11.45	.82	.50	.004
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	4.141E-06	.002	.002	6.747E-10	11.45	.82	.50	.002
77															
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.50	9.788E-04	.391	.387	3.756E-05	11.53	.83	.50	.427
79	15.0	-8.82	0.00	-7.62	3.63	1.17	1.53	9.183E-05	.037	.036	3.307E-07	11.52	.83	.50	.040
80	15.0	-10.07	0.00	-7.62	3.60	2.42	1.51	6.795E-06	.003	.003	1.805E-09	11.53	.83	.50	.003
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	1.755E-06	.001	.001	1.207E-10	11.53	.83	.50	.001
82	15.0	-12.73	0.00	-7.62	3.58	5.08	1.48	2.581E-07	.000	.000	2.817E-12	11.53	.83	.50	.000
83															
84	15.0	-7.82	0.00	-7.62	7.33	.31	5.11	1.074E-03	.454	.424	4.785E-05	11.06	.80	.50	.621
85	15.0	-8.59	0.00	-7.62	7.36	1.49	5.14	8.836E-05	.037	.035	3.242E-07	11.06	.80	.50	.051
86															
87															
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	4.162E-06	.002	.002	7.187E-10	11.06	.80	.50	.002
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290 TT = 1.385E+03(K)
PX E06 = 3.290E-01 PI = 5.164E+06(N/M2)
PL E06 = 9.226E-02 T1 = 4.737E+01(K)
RE/METER = 3.239E+05 P1 = 0.980E+02(N/M2)
HO = 2.654E+00(M/M2- K) (RHO V)1 = 1.025E+01(KG/M2-S)
TW = 299.7 (K) GAP = .127 (CM)
STEP = 0.300(CM) CONF =IN-L

TAW/TT =1.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (3.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	6.898E-07	.000	.000	2.181E-11	10.56	.77	.50	.000
11															
12															
13	30.0	0.17	7.62	0.00	-7.62	1.14	-6.60	7.352E-05	.034	.029	2.484E-07	10.56	.77	.50	.035
14	30.0	0.33	7.62	0.00	-7.62	.33	-6.60	1.004E-03	.469	.397	4.617E-05	10.56	.77	.50	.474
15	30.0	0.50	7.62	0.00	-7.29	0.00	-6.32	2.147E-03	.989	.848	2.082E-04	10.64	.77	.50	
16	30.0	0.33	7.62	0.00	-3.63	0.00	-3.15	3.009E-03	1.228	1.189	3.623E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	2.924E-03	1.156	1.156	3.313E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	2.810E-03	1.142	1.110	3.146E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.010E-03	.882	.794	1.737E-04	10.79	.78	.50	
20															
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.099E-04	.049	.043	5.250E-07	10.71	.78	.50	.055
22															
23															
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	1.371E-07	.000	.000	8.173E-13	10.71	.78	.50	.000
25															
26	30.0	-3.76	3.86	-3.76	-7.62	5.70	-8.48	3.617E-06	.002	.001	6.632E-10	9.93	.72	.50	.002
27															
28															
29															
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	4.943E-05	.026	.020	1.241E-07	9.92	.72	.50	.024
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	9.792E-04	.508	.387	4.876E-05	9.91	.72	.50	.483
32	30.0	-3.79	3.93	-3.79	-7.24	0.00	-8.17	2.071E-03	1.052	.818	2.136E-04	10.05	.73	.50	
33	30.0	-3.92	3.79	-3.92	-3.71	0.00	-5.17	2.746E-03	1.202	1.085	3.236E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	2.961E-03	1.188	1.178	3.450E-04	11.45	.82	.50	
35	30.0	-3.99	3.73	-3.99	3.59	0.00	1.17	3.195E-03	1.274	1.262	3.990E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	2.375E-03	.990	.939	2.305E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	9.815E-04	.412	.388	3.960E-05	11.14	.80	.50	.416
38	30.0	-3.74	3.89	-3.74	7.62	1.15	4.73	8.197E-05	.034	.032	2.764E-07	11.14	.80	.50	.035
39	30.0	-3.81	3.82	-3.80	7.62	2.35	4.70	9.502E-06	.004	.004	3.711E-09	11.14	.80	.50	.004
40	30.0	-3.83	3.82	-3.80	7.62	3.62	4.70	1.592E-06	.001	.001	1.176E-10	11.14	.80	.50	.001
41															
42															
43															
44															
45	30.0	-7.57	.30	-7.32	-7.62	3.72	-10.26	4.549E-06	.003	.002	1.155E-09	9.21	.68	.50	.003
46	30.0	-7.36	.26	-7.35	-7.62	2.37	-10.28	2.305E-06	.002	.001	4.714E-10	9.20	.68	.50	.002
47	30.0	-7.35	.27	-7.35	-7.62	1.16	-10.27	4.555E-05	.026	.018	1.159E-07	9.20	.68	.50	.034

BEST AVAILABLE COPY. PORTIONS OF THIS ORIGINAL PAGE IS POOR.

HEAT TEST (92), MDAC-E RSI GAPS, RUN (85) 1973 PAGE 278

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	30.0	-7.25	.36	-7.26	-7.62	.33	-10.23	6.519E-04	.376	.262	2.442E-05	9.22	.68	.50	.492
49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	1.355E-03	.765	.539	1.024E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	1.945E-03	.921	.768	1.756E-04	10.48	.76	.50	
51	30.0	-7.40	.22	-7.40	0.00	0.00	-3.70	2.109E-03	.871	.833	1.801E-04	11.22	.81	.50	
52	30.0	-7.59	.04	-7.58	3.59	0.00	-.69	2.491E-03	.990	.984	2.417E-04	11.54	.83	.50	
53	30.0	-7.16	.46	-7.16	7.24	0.00	2.69	1.839E-03	.743	.727	1.340E-04	11.43	.82	.50	
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	1.053E-03	.427	.416	4.411E-05	11.40	.82	.50	.575
55	30.0	-7.39	.32	-7.39	7.62	1.11	2.95	1.197E-04	.049	.047	5.696E-07	11.41	.82	.50	.065
56															
57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	1.520E-05	.006	.006	9.195E-09	11.40	.82	.50	.008
58															
59															
60	30.0	-7.85	0.00	-7.62	-7.14	.27	-10.00	6.870E-04	.386	.271	2.599E-05	9.32	.69	.50	.584
61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	5.156E-05	.029	.020	1.478E-07	9.25	.68	.50	.038
62															
63	30.0	-11.29	3.70	-7.62	-7.19	3.71	-10.04	2.646E-06	.001	.001	3.863E-10	9.31	.68	.50	.002
64	30.0	-12.62	3.00	-7.62	-7.14	5.02	-9.99	1.387E-06	.001	.001	1.058E-10	9.33	.69	.50	.001
65															
66	30.0	-7.98	3.00	-7.62	-3.44	.36	-6.79	9.145E-04	.432	.361	3.871E-05	10.50	.76	.50	.469
67	30.0	-9.81	0.00	-7.62	-3.44	1.19	-6.79	6.482E-05	.031	.026	1.945E-07	10.50	.76	.50	.033
68															
69															
70	30.0	-12.65	0.00	-7.62	-3.46	5.04	-6.81	9.171E-06	.004	.004	3.896E-09	10.50	.76	.50	.005
71	30.0	-13.62	0.00	-7.62	-3.40	5.81	-6.76	3.681E-06	.002	.001	6.259E-10	10.51	.76	.50	.002
72	30.0	-8.07	0.00	-7.62	0.00	.38	-3.81	5.102E-14	.000	.000	1.057E-25	11.21	.81	.50	.000
73	30.0	-8.85	0.00	-7.62	0.00	1.15	-3.81	8.566E-05	.035	.034	2.379E-07	11.21	.81	.50	.041
74	30.0	-10.47	0.00	-7.62	0.00	2.37	-3.81	1.331E-05	.006	.005	7.194E-09	11.21	.81	.50	.006
75	30.0	-11.40	0.00	-7.62	0.00	3.70	-3.81	1.138E-05	.005	.004	5.257E-09	11.21	.81	.50	.005
76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	1.469E-05	.006	.006	8.059E-09	11.21	.81	.50	.007
77															
78	30.0	-8.04	0.00	-7.62	3.59	.38	-.70	1.081E-03	.429	.427	4.550E-05	11.54	.83	.50	.434
79	30.0	-9.82	0.00	-7.62	3.63	1.17	-.67	1.008E-04	.040	.040	3.955E-07	11.54	.83	.50	.040
80	30.0	-10.07	0.00	-7.62	3.60	2.42	-.69	1.470E-05	.006	.006	8.412E-09	11.54	.83	.50	.006
81	30.0	-11.61	0.00	-7.62	3.55	3.76	-.73	1.716E-05	.007	.007	1.139E-08	11.54	.83	.50	.007
82	30.0	-12.73	0.00	-7.62	3.58	5.08	-.71	1.574E-05	.006	.006	9.649E-09	11.54	.83	.50	.006
83															
84	30.0	-7.94	0.00	-7.62	7.33	.31	2.54	1.158E-03	.471	.462	5.390E-05	11.45	.82	.50	.633
85	30.0	-8.69	0.00	-7.62	7.36	1.09	2.56	9.988E-05	.048	.039	3.943E-07	11.45	.82	.50	.054
86															
87															
88	30.0	-12.62	0.00	-7.62	7.33	5.03	2.54	9.319E-06	.004	.004	3.432E-09	11.45	.82	.50	.005
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (82), MBAC-F RSI GAPS, RUN (86) 1973 PAGE 293

MACH = 10.290 TT = 1.005E+03(K)
PX EQS = 3.292E-01 PI = 5.167E+06(N/M2)
PL EQS = 9.230E-02 T1 = 4.737E+01(K)
RE/METER = 7.74JE+06 P1 = 0.981E+02(N/M2)
MU = 2.554E-03(N/M2-S) (RHO V)1 = 1.025E+01(KG/M2-S)
TW = 299.1 (K) GAP = .127 (CM)
STEP = 0.000(CM) CONF =IN-L

TAN/TT =0.995 EQS MT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

	GAMMA (DEG)	XSURF (CM)	XB (CM)	YP (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	MT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.70	7.62	8.183E-06	.804	.803	2.962E-09	10.41	.76	.50	.804
10	0.0	3.33	7.62	0.00	7.62	5.03	7.62	1.257E-05	.806	.805	7.127E-09	10.41	.76	.50	.806
11	0.0	3.79	7.62	0.00	7.62	3.74	7.62	1.285E-05	.806	.805	7.452E-09	10.41	.76	.50	.806
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	1.235E-05	.806	.805	6.879E-09	10.41	.76	.50	.806
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	1.060E-04	.849	.842	5.069E-07	10.41	.76	.50	.852
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.816E-03	.469	.402	4.659E-05	10.41	.76	.50	.495
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	2.076E-03	.944	.820	1.921E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	2.903E-03	1.190	1.147	3.384E-04	11.32	.82	.50	.001
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.944E-03	1.163	1.163	3.356E-04	11.56	.83	.50	.037
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	2.884E-03	1.100	1.140	3.357E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	2.265E-03	1.066	.871	2.334E-04	10.35	.75	.50	.001
20	0.0	0.00	7.62	0.00	-7.62	.41	-7.62	1.710E-06	.801	.001	1.469E-10	10.24	.74	.50	.003
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	8.116E-05	.840	.032	3.175E-07	10.24	.74	.50	.037
22															
23	0.0	0.00	7.62	0.00	-7.62	1.74	-7.62	9.315E-06	.805	.804	4.103E-09	10.24	.74	.50	.004
24															
25	0.0	0.01	7.62	0.00	-7.62	5.73	-7.62	1.152E-06	.801	.800	6.395E-11	10.24	.74	.50	.001
26	0.0	3.75	11.38	3.76	7.62	5.70	7.62	6.189E-06	.803	.802	1.728E-09	10.41	.76	.50	.003
27	0.0	3.80	11.42	3.80	7.62	5.04	7.62	2.428E-06	.801	.801	2.643E-10	10.41	.76	.50	.001
28	0.0	3.75	11.38	3.76	7.62	3.72	7.62	1.257E-05	.806	.805	7.128E-09	10.41	.76	.50	.005
29	0.0	3.81	11.43	3.81	7.62	2.44	7.62	1.811E-05	.809	.807	1.479E-08	10.41	.76	.50	.008
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	9.310E-05	.844	.838	4.166E-07	10.41	.76	.50	.041
31	0.0	3.87	11.49	3.87	7.62	.33	7.62	1.196E-03	.551	.473	6.456E-05	10.41	.76	.50	.510
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	2.376E-03	1.079	.939	2.513E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.626E-03	1.078	1.038	2.773E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.639E-03	1.043	1.043	2.697E-04	11.56	.83	.50	
35	0.0	3.99	11.61	3.99	-3.59	0.00	-3.59	2.704E-03	1.115	1.069	2.954E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	2.308E-03	1.112	.909	2.587E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	9.794E-04	.402	.387	4.624E-05	10.24	.74	.50	.433
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	5.518E-05	.827	.822	1.468E-07	10.24	.74	.50	.824
39	0.0	3.80	11.42	3.80	-7.62	2.35	-7.62	8.011E-06	.804	.803	3.093E-09	10.24	.74	.50	.004
40															
41	0.0	3.80	11.42	3.80	-7.62	3.62	-7.62	1.088E-06	.801	.800	5.622E-11	10.24	.74	.50	.000
42															
43	0.0	7.33	14.37	7.35	7.62	5.70	7.62	4.884E-06	.802	.802	1.076E-09	10.41	.76	.50	.003
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	7.011E-06	.803	.803	2.217E-09	10.41	.76	.50	.005
45	0.0	7.32	14.34	7.32	7.62	3.72	7.62	7.293E-06	.803	.803	2.399E-09	10.41	.76	.50	.005
46	0.0	7.36	14.39	7.36	7.62	2.37	7.62	1.672E-05	.807	.806	9.768E-09	10.41	.76	.50	.010
47	0.0	7.35	14.37	7.35	7.62	1.15	7.62	8.993E-05	.841	.836	3.648E-07	10.41	.76	.50	.061

3.4-171

OFHT TEST (92), MDAC-E RSI GAPS, RUN (86) 1973 PAGE 204

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	YC (CM)	ZC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	0.0	7.26	14.98	7.26	7.62	.33	7.62	7.395E-04	.340	.292	2.467E-05	10.41	.76	.50	.505
49	0.0	7.27	14.99	7.27	7.30	0.00	7.30	1.481E-03	.674	.585	9.785E-05	10.51	.76	.50	
50	0.0	7.33	14.95	7.33	3.69	0.00	3.69	1.576E-03	.647	.623	9.988E-05	11.31	.82	.50	
51	0.0	7.40	15.02	7.40	0.00	0.00	0.00	1.538E-03	.608	.608	9.164E-05	11.56	.83	.50	
52	0.0	7.59	15.20	7.58	-3.58	0.00	-3.58	1.620E-03	.668	.640	1.060E-04	11.24	.81	.50	
53	0.0	7.16	14.78	7.16	-7.24	0.00	-7.24	1.374E-03	.664	.543	8.940E-05	10.36	.75	.50	
54	0.0	7.26	14.89	7.26	-7.62	.31	-7.62	8.163E-04	.402	.323	3.212E-05	10.24	.74	.50	.605
55	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	8.338E-05	.041	.033	3.352E-07	10.24	.74	.50	.062
56															
57	0.0	7.26	14.88	7.26	-7.62	3.70	-7.62	1.079E-06	.001	.000	5.617E-11	10.24	.74	.50	.001
58															
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	1.063E-05	.005	.004	4.846E-09	10.24	.74	.50	.007
60	0.0	7.95	15.24	7.62	7.14	.27	7.14	7.153E-04	.324	.283	2.269E-05	10.56	.77	.50	.488
61	0.0	9.75	15.24	7.62	7.35	1.17	7.35	9.534E-05	.045	.039	4.319E-07	10.50	.76	.50	.066
62	0.0	9.92	15.24	7.62	7.13	2.34	7.13	2.011E-05	.009	.008	1.791E-08	10.56	.77	.50	.013
63	0.0	11.29	15.24	7.62	7.19	3.71	7.19	6.108E-06	.003	.002	1.657E-09	10.54	.77	.50	.004
64															
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	1.089E-06	.000	.000	5.261E-11	10.56	.77	.50	.001
66	0.0	7.99	15.24	7.62	3.44	.36	3.44	8.000E-04	.327	.316	2.563E-05	11.35	.82	.50	.506
67	0.0	8.91	15.24	7.62	3.44	1.19	3.44	1.162E-04	.047	.046	5.409E-07	11.35	.82	.50	.073
68	0.0	10.06	15.24	7.62	3.45	2.44	3.45	4.106E-06	.002	.002	6.753E-10	11.34	.82	.50	.003
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	6.326E-06	.003	.002	1.604E-09	11.34	.82	.50	.004
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	3.116E-06	.001	.001	3.888E-10	11.34	.82	.50	.002
71															
72	0.0	8.17	15.24	7.62	0.00	.39	0.00	5.347E-14	.000	.000	1.107E-25	11.56	.83	.50	.000
73	0.0	8.95	15.24	7.62	0.00	1.15	0.00	1.349E-04	.053	.053	7.042E-07	11.56	.83	.50	.088
74	0.0	10.17	15.24	7.62	0.00	2.37	0.00	4.958E-06	.002	.002	9.517E-10	11.56	.83	.50	.003
75	0.0	11.43	15.24	7.62	0.00	3.70	0.00	5.401E-06	.002	.002	1.129E-09	11.56	.83	.50	.004
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	4.163E-06	.002	.002	6.710E-10	11.56	.83	.50	.003
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	1.462E-06	.001	.001	8.277E-11	11.56	.83	.50	.001
78	0.0	8.14	15.24	7.62	-3.59	.38	-3.59	7.782E-04	.321	.307	2.446E-05	11.24	.81	.50	.480
79	0.0	8.92	15.24	7.62	-3.63	1.17	-3.63	1.305E-04	.054	.052	6.886E-07	11.24	.81	.50	.081
80															
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	3.284E-07	.000	.000	4.353E-12	11.25	.81	.50	.000
82	0.0	12.73	15.24	7.62	-3.58	5.08	-3.58	4.736E-06	.002	.002	9.059E-10	11.24	.81	.50	.003
83	0.0	13.44	15.24	7.62	-3.62	5.79	-3.62	4.535E-06	.002	.002	8.682E-10	11.24	.81	.50	.003
84	0.0	7.90	15.24	7.62	-7.33	.31	-7.33	8.574E-04	.416	.339	3.494E-05	10.33	.75	.50	.626
85	0.0	8.68	15.24	7.62	-7.36	1.09	-7.36	7.855E-05	.038	.031	2.936E-07	10.32	.75	.50	.057
86															
87	0.0	11.23	15.24	7.62	-7.33	3.74	-7.33	6.567E-06	.003	.003	2.062E-09	10.33	.75	.50	.005
88															
89															

THIS DOCUMENT CONTAINS THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PX E06 = 3.297E-01
PL E06 = 0.000E+00
RE/METER = 3.231E+06
HO = 2.554E+08(W/M2- K)
TW = 299.0 (K)
STEP = 0.000(CM)

TT = 1.007E+03(K)
PI = 5.162E+06(N/M2)
T1 = 4.743E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.024E+01(KG/M2-S)
GAP = .127 (CM)
CONF =IN-L

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (=0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	8.305E-06	.004	.003	3.108E-09	10.43	.76	.50	.004
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	2.334E-05	.009	.008	1.865E-08	10.43	.76	.50	.010
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	1.041E-05	.005	.004	4.882E-09	10.43	.76	.50	.005
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	1.176E-05	.005	.005	6.227E-09	10.43	.76	.50	.006
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	9.728E-05	.045	.038	4.265E-07	10.43	.76	.50	.048
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	9.821E-04	.451	.388	4.347E-05	10.43	.76	.50	.481
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.068E-03	.939	.817	1.905E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	2.920E-03	1.196	1.154	3.428E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	2.959E-03	1.173	1.173	3.418E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	0.00	-3.51	2.922E-03	1.203	1.155	3.448E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	2.332E-03	1.124	.921	2.571E-04	10.37	.75	.50	
20	7.5	0.00	7.62	0.00	-7.62	.41	-7.55	6.108E-08	.000	.000	1.795E-13	10.26	.75	.50	.000
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	7.044E-05	.035	.028	2.387E-07	10.26	.75	.50	.031
22	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	6.980E-06	.003	.003	2.345E-09	10.26	.75	.50	.003
23															
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	1.083E-06	.001	.000	5.640E-11	10.26	.75	.50	.000
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	2.546E-06	.001	.001	3.118E-10	10.26	.75	.50	.001
26	7.5	3.76	11.38	3.76	7.62	5.70	8.05	5.712E-06	.003	.002	1.514E-09	10.28	.75	.50	.003
27	7.5	3.80	11.42	3.80	7.62	5.04	8.05	2.904E-06	.001	.001	3.913E-10	10.28	.75	.50	.001
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	1.508E-05	.008	.006	1.199E-08	10.28	.75	.50	.008
29	7.5	3.81	11.43	3.81	7.62	2.44	8.05	1.728E-05	.009	.007	1.386E-08	10.28	.75	.50	.008
30	7.5	3.83	11.45	3.83	7.62	1.15	8.05	8.986E-05	.043	.036	3.749E-07	10.27	.75	.50	.042
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.060E-03	.532	.419	5.215E-05	10.27	.75	.50	.496
32	7.5	3.79	11.41	3.79	7.24	0.00	7.67	2.187E-03	1.010	.864	2.167E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.549E-03	1.056	1.007	2.642E-04	11.23	.81	.53	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.642E-03	1.048	1.044	2.718E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	2.854E-03	1.163	1.128	3.257E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	2.603E-03	1.225	1.029	3.129E-04	10.52	.76	.53	
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	1.061E-03	.508	.419	5.282E-05	10.42	.76	.50	.414
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	4.821E-05	.023	.019	1.092E-07	10.42	.76	.50	.019
39															
40	7.5	3.80	11.42	3.80	-7.62	3.62	-7.06	6.991E-07	.000	.000	2.295E-11	10.42	.76	.50	.000
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.08	1.756E-06	.001	.001	1.450E-10	10.41	.76	.50	.001
42															
43															
44															
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	9.270E-06	.005	.004	4.102E-09	10.12	.74	.50	.005
46	7.5	7.36	14.99	7.36	7.62	2.37	8.51	1.008E-05	.005	.004	4.851E-09	10.12	.74	.50	.006

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CM	CONES	RSUBE (CM)	XB (CM)	XC (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	7.25	14.97	7.35	7.62	1.15	8.51	8.596E-05	.082	.034	3.610E-07	10.12	.74	.50	.071
48	7.5	7.26	14.98	7.26	7.62	.33	8.50	6.117E-04	.297	.242	1.785E-05	10.12	.74	.50	.498
49	7.5	7.27	14.99	7.27	7.80	0.00	8.19	1.251E-03	.597	.494	7.325E-05	10.23	.75	.50	
50	7.5	7.33	14.95	7.33	8.69	0.00	4.61	1.461E-03	.611	.577	8.764E-05	11.16	.91	.50	
51	7.5	7.40	15.02	7.40	9.00	0.00	.97	1.522E-03	.606	.602	9.055E-05	11.55	.83	.53	
52	7.5	7.59	15.21	7.59	8.59	0.00	-2.56	1.795E-03	.724	.709	1.275E-04	11.39	.82	.50	
53	7.5	7.46	14.98	7.46	7.24	0.00	-6.25	1.556E-03	.750	.652	1.227E-04	10.66	.77	.53	
54	7.5	7.26	14.80	7.26	7.62	.31	-6.61	9.335E-04	.439	.371	4.050E-05	10.56	.77	.50	.580
55	7.5	7.39	14.92	7.39	7.62	1.11	-6.60	9.357E-05	.044	.037	4.017E-07	10.56	.77	.50	.058
56															
57	7.5	7.26	14.98	7.35	7.62	3.70	-6.61	2.567E-06	.001	.001	3.113E-10	10.56	.77	.50	.002
58															
59															
60	7.5	7.39	15.24	7.62	7.14	.27	8.09	6.170E-04	.293	.244	1.774E-05	10.27	.75	.53	.490
61	7.5	8.76	15.24	7.62	7.35	1.17	8.28	1.427E-04	.049	.041	4.962E-07	10.20	.75	.53	.083
62	7.5	9.92	15.24	7.62	7.13	2.34	8.06	7.557E-06	.004	.003	2.652E-09	10.27	.75	.53	.005
63	7.5	11.29	15.24	7.62	7.19	3.71	8.12	8.178E-36	.004	.003	3.118E-09	10.25	.75	.50	.007
64															
65															
66	7.5	7.39	15.24	7.62	3.44	.36	4.41	7.591E-04	.316	.300	2.355E-05	11.20	.81	.53	.517
67	7.5	8.81	15.24	7.62	3.44	1.13	4.41	1.113E-04	.046	.044	5.059E-07	11.20	.81	.53	.076
68	7.5	10.05	15.24	7.62	3.45	2.44	4.41	6.787E-06	.004	.033	3.156E-09	11.19	.81	.50	.006
69	7.5	11.35	15.24	7.62	3.56	3.74	4.46	4.235E-06	.002	.002	7.339E-10	11.19	.81	.53	.003
70	7.5	12.65	15.24	7.62	3.46	5.04	4.43	6.579E-06	.003	.003	1.024E-09	11.19	.81	.50	.005
71	7.5	13.92	15.24	7.62	3.40	6.31	4.37	1.149E-05	.005	.005	5.395E-09	11.20	.81	.50	.008
72	7.5	[illegible]	15.24	7.62	3.00	.38	.99	5.297E-14	.000	.000	1.096E-25	11.55	.83	.53	.000
73	7.5	9.95	15.24	.62	0.00	1.15	.99	1.357E-04	.054	.054	7.301E-07	11.55	.83	.50	.090
74	7.5	[illegible]	15.24	.62	0.00	2.37	.99	1.355E-05	.005	.005	7.171E-09	11.55	.83	.50	.009
75	7.5	11.42	15.24	7.62	3.00	3.70	.99	1.345E-05	.005	.005	7.068E-09	11.55	.83	.50	.009
76	7.5	12.69	15.24	7.62	0.00	4.99	.99	1.251E-05	.005	.005	6.112E-09	11.55	.83	.50	.008
77															
78	7.5	9.34	15.24	7.62	-3.50	.39	-2.57	8.253E-04	.333	.327	2.702E-05	11.39	.82	.50	.461
79	7.5	6.82	15.24	7.62	-3.63	1.17	-2.60	1.230E-04	.050	.049	5.389E-07	11.38	.82	.50	.069
80															
81															
82	7.5	11.17	15.24	7.62	-3.60	2.42	-2.59	1.259E-05	.005	.005	5.277E-09	11.39	.82	.53	.007
83	7.5	11.41	15.24	7.62	-3.56	3.76	-2.53	6.026E-06	.002	.002	1.436E-09	11.39	.82	.50	.003
84															
85															
86															
87															
88															
89															
90															
91															
92															
93															
94	7.5	7.39	15.24	7.62	-7.33	.31	-5.27	9.855E-04	.454	.390	4.395E-05	10.65	.77	.53	.593
95	7.5	[illegible]	15.24	7.62	-7.36	1.09	-5.30	6.562E-05	.031	.026	1.384E-07	10.64	.77	.50	.040
96															
97															
98	7.5	11.13	15.24	7.62	-7.33	3.74	-6.27	2.264E-06	.001	.001	2.313E-10	10.65	.77	.53	.001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PX E06 = 3.294E-01
PL E06 = 8.234E-02
PE/METER = 3.242E+05
HO = 2.554E+00(M/M2- K)
TW = 294.9 (K)
ST_P = 0.009(CM)

TT = 1.005E+03(K)
PI = 5.168E+06(N/M2)
T1 = 4.737E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.026E+01(KG/M2-S)
GAP = .127 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	8.405E-06	.004	.003	3.156E-09	10.49	.76	.50	.004
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	5.023E-06	.003	.002	1.515E-09	10.49	.76	.50	.003
11	15.0	0.00	7.62	0.00	7.62	3.74	7.36	1.378E-05	.006	.005	8.484E-09	10.49	.76	.50	.007
12	15.0	0.00	7.62	0.00	7.62	2.36	7.36	1.534E-05	.007	.006	1.198E-08	10.49	.76	.50	.008
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	1.072E-04	.049	.042	5.134E-07	10.49	.76	.50	.055
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	9.229E-04	.421	.365	3.885E-05	10.49	.76	.50	.477
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	1.958E-03	.893	.774	1.693E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	2.924E-03	1.196	1.155	3.425E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	2.969E-03	1.173	1.173	3.412E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.54	0.00	-3.42	2.928E-03	1.203	1.157	3.449E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	2.451E-03	1.171	.969	2.811E-04	10.43	.76	.50	
20	15.0	0.00	7.62	0.00	-7.62	.41	-7.36	2.581E-06	.001	.001	3.169E-10	10.32	.75	.50	.001
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	7.340E-05	.036	.029	2.563E-07	10.32	.75	.50	.038
22	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	5.735E-06	.003	.002	1.565E-09	10.32	.75	.50	.002
23	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	6.425E-06	.003	.003	1.964E-09	10.32	.75	.50	.003
24															
25															
26	15.0	3.76	11.38	3.76	7.62	5.70	8.33	1.757E-06	.001	.001	1.456E-10	10.18	.74	.50	.001
27	15.0	3.80	11.42	3.80	7.62	5.04	8.34	7.239E-06	.003	.003	2.472E-09	10.18	.74	.50	.004
28	15.0	3.76	11.38	3.76	7.62	3.72	8.33	5.822E-06	.003	.002	1.598E-09	10.18	.74	.50	.003
29															
30	15.0	3.93	11.45	3.93	7.62	1.16	8.35	8.905E-05	.043	.035	3.742E-07	10.17	.74	.50	.047
31	15.0	3.97	11.49	3.97	7.62	.33	8.36	9.538E-04	.459	.377	4.289E-05	10.17	.74	.50	.506
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	1.930E-03	.909	.763	1.710E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.518E-03	1.053	.995	2.598E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.646E-03	1.052	1.043	2.720E-04	11.55	.83	.50	
35	15.0	3.93	11.51	3.49	-3.59	0.00	-2.46	2.386E-03	1.195	1.172	3.472E-04	11.48	.82	.50	
36	15.0	3.74	11.36	3.74	-7.28	0.00	-6.05	2.784E-03	1.268	1.100	3.459E-04	10.71	.78	.50	
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	1.129E-03	.522	.446	5.773E-05	10.62	.77	.50	.411
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	4.246E-05	.020	.017	8.169E-08	10.62	.77	.50	.015
39															
40	15.0	3.80	11.42	3.80	-7.62	3.62	-6.38	4.955E-06	.002	.002	1.112E-09	10.62	.77	.50	.002
41															
42															
43															
44															
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	7.499E-06	.004	.003	2.888E-09	9.85	.72	.50	.007
46															
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	9.164E-05	.046	.036	4.129E-07	9.85	.72	.50	.090

CF4T TEST (92), MDAC-E RSI GAPS, RUN (98) 1973 PAGE 208

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Y (CM)	Y-NOP (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	15.0	7.75	14.88	7.26	7.62	.33	9.24	5.320E-04	.270	.210	1.409E-05	9.85	.72	.50	.526
49	15.0	7.27	14.88	7.27	7.30	3.00	8.93	1.029E-03	.513	.407	5.172E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.437E-03	.615	.560	8.650E-05	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.552E-03	.622	.613	9.460E-05	11.50	.83	.50	
52	15.0	7.68	15.24	7.58	-3.58	0.00	-1.50	1.927E-03	.771	.762	1.455E-04	11.49	.83	.50	
53	15.0	7.16	14.76	7.16	-7.24	0.00	-5.14	1.857E-03	.812	.734	1.477E-04	10.94	.79	.50	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.48	1.059E-03	.470	.418	4.874E-05	10.86	.78	.50	.579
55	15.0	7.37	14.92	7.30	-7.62	1.11	-5.47	6.716E-05	.030	.027	1.960E-07	10.86	.78	.50	.037
56	15.0	7.25	14.87	7.25	-7.62	2.32	-5.48	3.833E-07	.000	.000	6.389E-12	10.86	.78	.50	.000
57	15.0	7.25	14.88	7.26	-7.62	3.70	-5.48	4.843E-06	.002	.002	1.020E-09	10.86	.78	.50	.003
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	7.599E-06	.003	.003	2.578E-09	10.96	.78	.50	.004
59															
60	15.0	7.45	15.24	7.62	7.14	.27	8.87	5.253E-04	.262	.208	1.349E-05	9.99	.73	.50	.510
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	9.822E-05	.049	.039	4.751E-07	9.92	.73	.50	.095
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	9.505E-06	.005	.004	4.489E-09	10.00	.73	.50	.009
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	2.497E-06	.001	.001	3.043E-10	9.97	.73	.50	.002
64															
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	3.993E-06	.002	.002	7.418E-10	9.99	.73	.50	.004
66	15.0	7.99	15.24	7.62	3.44	.36	5.30	7.452E-04	.319	.295	2.322E-05	11.02	.80	.50	.517
67	15.0	9.91	15.24	7.62	3.44	1.19	5.30	1.220E-04	.052	.048	6.205E-07	11.02	.80	.50	.094
68	15.0	10.06	15.24	7.62	3.45	2.44	5.30	1.254E-05	.005	.005	6.557E-09	11.02	.80	.50	.009
69															
70	15.0	12.65	15.24	7.62	3.46	5.04	5.32	3.140E-06	.001	.001	4.112E-10	11.0	.80	.50	.002
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	4.028E-06	.002	.002	6.757E-10	11.03	.80	.50	.003
72	15.0	8.07	15.24	7.62	0.00	.38	1.97	5.266E-14	.000	.000	1.090E-25	11.50	.83	.50	.000
73	15.0	8.85	15.24	7.62	0.00	1.15	1.97	1.254E-04	.050	.050	8.179E-07	11.50	.83	.50	.081
74	15.0	10.07	15.24	7.62	0.00	2.37	1.97	1.363E-05	.004	.004	4.440E-09	11.50	.83	.50	.007
75	15.0	11.40	15.24	7.62	0.00	3.70	1.97	4.920E-06	.002	.002	9.132E-10	11.50	.83	.50	.003
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	8.158E-06	.003	.003	2.616E-09	11.50	.83	.50	.005
77	15.0	13.43	15.24	7.62	0.00	5.74	1.97	1.014E-06	.001	.001	7.855E-11	11.50	.83	.50	.001
78	15.0	8.04	15.24	7.62	-7.59	.39	-1.50	8.743E-04	.350	.345	2.993E-05	11.49	.83	.50	.454
79	15.0	8.82	15.24	7.62	-3.63	1.17	-1.53	9.876E-05	.039	.039	3.821E-07	11.49	.83	.50	.051
80	15.0	10.07	15.24	7.62	-3.60	2.42	-1.51	1.434E-06	.001	.001	8.057E-11	11.49	.83	.50	.001
81	15.0	11.41	15.24	7.62	-3.55	3.76	-1.46	2.027E-06	.001	.001	1.609E-10	11.50	.83	.50	.001
82	15.0	12.78	15.24	7.62	-3.59	5.08	-1.48	1.587E-05	.007	.007	1.114E-08	11.49	.83	.50	.009
83	15.0	13.44	15.24	7.62	-3.62	5.79	-1.52	1.196E-06	.000	.000	5.602E-11	11.49	.83	.50	.001
84	15.0	7.80	15.24	7.62	-7.33	.31	-5.11	1.102E-03	.481	.435	5.188E-05	10.94	.79	.50	.592
85	15.0	8.58	15.24	7.62	-7.36	1.09	-5.14	8.144E-05	.036	.032	2.939E-07	10.94	.79	.50	.044
86	15.0	9.46	15.24	7.62	-7.36	2.36	-5.14	6.123E-07	.000	.000	1.605E-11	10.94	.79	.50	.000
87	15.0	11.23	15.24	7.62	-7.33	3.74	-5.11	7.328E-06	.003	.003	2.112E-09	10.94	.79	.50	.004
88	15.0	12.59	15.24	7.62	-7.33	5.13	-5.11	6.820E-06	.003	.003	1.963E-09	10.94	.79	.50	.004
89	15.0	13.15	15.24	7.62	-7.35	5.66	-5.13	1.390E-05	.006	.005	8.269E-09	10.94	.79	.50	.007

BEST AVAILABLE COPY. THE ORIGINAL PAGE IS POOR.

MACH = 10.290 TT = 1.608E+03(K)
RV EQ6 = 3.275E-01 PI = 5.170E+04(N/M2)
RL EQ6 = 8.187E-02 T1 = 4.732E+01(K)
RE/METER = 3.223E+06 P1 = 0.981E+02(N/M2)
HO = 2.554E+08(W/M2- K) (RHO V)1 = 1.074E+01(KG/M2-S)
TW = 298.0 (K) GAP = .127 (CM)
STEP = 3.000(CM) CONF =IN-L

TAW/TT =1.99E-00 HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-TNK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	7.62	5.70	6.60	1.233E-05	.090	.005	6.620E-09	10.71	.78	.50	.007
10	30.0	0.00	7.62	0.00	7.62	5.03	6.60	7.475E-06	.083	.033	2.437E-09	10.71	.78	.50	.004
11	30.0	0.00	7.62	0.00	7.62	3.74	6.60	1.394E-05	.086	.006	8.452E-09	10.71	.78	.50	.005
12	30.0	0.00	7.62	0.00	7.62	2.36	6.60	1.133E-05	.085	.004	5.590E-09	10.71	.78	.50	.007
13	30.0	0.00	7.62	0.00	7.62	1.14	6.60	9.710E-05	.043	.038	4.103E-07	10.71	.78	.50	.056
14	30.0	0.00	7.62	0.00	7.62	.33	6.60	8.337E-04	.370	.329	3.525E-05	10.71	.78	.50	.481
15	30.0	0.00	7.62	0.00	7.29	0.00	6.32	1.750E-03	.761	.692	1.320E-04	10.78	.78	.50	
16	30.0	0.00	7.62	0.00	3.63	0.00	3.15	2.894E-03	1.178	1.144	3.345E-04	11.38	.82	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	2.946E-03	1.164	1.164	3.365E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	-3.54	0.00	-3.07	2.964E-03	1.208	1.171	3.515E-04	11.32	.81	.50	
19	30.0	0.00	7.62	0.00	-7.27	0.00	-6.29	2.532E-03	1.166	1.801	2.897E-04	10.64	.77	.50	
20															
21	30.0	0.00	7.62	0.00	-7.62	1.17	-6.60	8.998E-05	.042	.036	3.714E-07	10.56	.77	.50	.036
22	30.0	0.00	7.62	0.00	-7.62	2.39	-6.60	1.116E-05	.005	.004	5.711E-09	10.56	.77	.50	.004
23	30.0	0.00	7.62	0.00	-7.62	3.70	-6.60	1.124E-05	.005	.004	4.615E-09	10.56	.77	.50	.004
24	30.0	0.00	7.62	0.00	-7.62	5.07	-6.60	1.410E-05	.007	.006	9.119E-09	10.56	.77	.50	.006
25	30.0	0.00	7.62	0.00	-7.62	5.73	-6.60	9.536E-06	.005	.004	4.260E-09	10.56	.77	.50	.004
26	30.0	3.76	11.38	3.76	7.62	5.70	8.48	1.070E-05	.085	.004	5.451E-09	10.13	.74	.50	.007
27	30.0	3.80	11.42	3.80	7.62	5.04	8.50	1.022E-05	.085	.004	4.982E-09	10.12	.74	.50	.007
28	30.0	3.76	11.38	3.76	7.62	3.72	8.48	8.794E-06	.004	.003	3.685E-09	10.13	.74	.50	.005
29	30.0	3.81	11.43	3.81	7.62	2.44	8.51	9.389E-06	.005	.004	4.207E-09	10.12	.74	.50	.006
30	30.0	3.83	11.45	3.83	7.62	1.16	8.51	9.597E-05	.047	.038	4.397E-07	10.12	.74	.50	.062
31	30.0	3.87	11.49	3.87	7.62	.33	8.52	8.025E-04	.391	.317	3.079E-05	10.11	.74	.50	.519
32	30.0	3.79	11.41	3.79	7.24	0.00	8.17	1.582E-03	.754	.625	1.171E-04	10.24	.75	.50	
33	30.0	3.92	11.54	3.92	3.71	0.00	5.17	2.500E-03	1.060	.988	2.600E-04	11.05	.80	.50	
34	30.0	3.95	11.57	3.95	0.00	0.00	1.98	2.639E-03	1.059	1.043	2.742E-04	11.50	.83	.50	
35	30.0	3.89	11.51	3.89	-3.59	0.00	-1.17	3.225E-03	1.286	1.274	4.070E-04	11.51	.83	.50	
36	30.0	3.74	11.36	3.74	-7.28	0.00	-4.43	3.032E-03	1.298	1.198	3.831E-04	11.09	.80	.50	
37	30.0	3.79	11.41	3.79	-7.62	.37	-4.70	1.224E-03	.526	.484	6.314E-05	11.03	.80	.50	.408
38	30.0	3.74	11.36	3.74	-7.62	1.15	-4.73	6.917E-05	.030	.027	2.018E-07	11.03	.80	.50	.023
39	30.0	3.80	11.42	3.80	-7.62	2.35	-4.70	1.798E-05	.008	.007	1.362E-08	11.03	.80	.50	.306
40	30.0	3.80	11.42	3.80	-7.62	3.62	-4.70	2.165E-05	.009	.009	1.975E-08	11.03	.80	.50	.007
41	30.0	3.87	11.49	3.87	-7.62	5.04	-4.77	1.347E-05	.006	.005	7.661E-09	11.02	.80	.50	.005
42	30.0	3.62	11.24	3.62	-7.62	5.69	-4.79	7.051E-06	.003	.003	2.102E-09	11.02	.79	.50	.002
43	30.0	7.37	14.97	7.35	7.62	5.70	10.27	2.162E-06	.001	.001	2.463E-10	9.44	.70	.50	.003
44	30.0	7.33	14.95	7.33	7.62	4.91	10.26	5.243E-06	.003	.002	1.451E-09	9.44	.70	.50	.007
45	30.0	7.32	14.94	7.32	7.62	3.72	10.26	6.508E-06	.004	.003	2.304E-09	9.45	.70	.50	.015
46	30.0	7.36	14.98	7.36	7.62	2.37	10.28	5.837E-06	.003	.002	1.800E-09	9.44	.70	.50	.007

CENT TEST (92), MDAC-E RSI) 1973 PAGE 210

CH	GAMMA (DEG)	XSURF (CM)	YR (CM)	XP (CM)			-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	7.35	14.97	7.35		6	10.27	9.996E-05	.054	.039	5.277E-07	9.44	.70	.50	.127
48	30.0	7.26	14.89	7.26		3	10.23	4.457E-04	.239	.176	1.047E-05	9.46	.70	.50	.566
49	30.0	7.27	14.89	7.27		0.00	9.96	7.991E-04	.423	.316	3.314E-05	9.57	.70	.50	
50	30.0	7.33	14.95	7.33	3.69	0.00	6.86	1.402E-03	.628	.554	8.636E-05	10.64	.77	.50	
51	30.0	7.40	15.02	7.40	0.00	0.00	3.70	1.643E-03	.674	.649	1.087E-04	11.31	.82	.50	
52	30.0	7.53	15.20	7.58	-3.58	0.00	.69	2.174E-03	.864	.859	1.843E-04	11.55	.83	.50	
53	30.0	7.16	14.79	7.16	-7.24	0.00	-2.69	2.228E-03	.991	.880	1.969E-04	11.37	.82	.50	
54	30.0	7.26	14.89	7.26	-7.62	.31	-2.97	1.260E-03	.513	.498	6.340E-05	11.34	.82	.50	.569
55	30.0	7.33	14.92	7.33	-7.62	1.11	-2.95	8.944E-05	.036	.035	3.192E-07	11.34	.82	.50	.040
56	30.0	7.25	14.87	7.25	-7.62	2.32	-2.97	1.109E-05	.005	.044	4.912E-09	11.34	.82	.50	.005
57	30.0	7.25	14.88	7.25	-7.62	3.70	-2.97	7.882E-06	.003	.003	2.480E-09	11.34	.82	.50	.004
58	30.0	7.24	14.86	7.24	-7.62	4.97	-2.98	5.235E-06	.002	.002	1.094E-09	11.33	.82	.50	.002
59	30.0	7.25	14.87	7.25	-7.62	5.62	-2.97	2.269E-06	.001	.001	2.055E-10	11.34	.82	.50	.001
60	30.0	7.95	15.24	7.62	7.14	1.27	10.30	4.399E-04	.233	.174	1.007E-05	9.55	.70	.50	.552
61	30.0	8.75	15.24	7.62	7.35	1.17	10.17	1.015E-04	.054	.040	5.407E-07	9.48	.70	.50	.128
62	30.0	9.92	15.24	7.62	7.13	2.34	9.98	8.267E-06	.003	.002	2.041E-09	9.56	.70	.50	.008
63															
64															
65															
66	30.0	7.98	15.24	7.62	3.44	1.36	6.79	7.258E-04	.324	.287	2.309E-05	10.66	.77	.50	.516
67	30.0	8.81	15.24	7.62	3.44	1.19	6.79	1.086E-04	.049	.043	5.171E-07	10.66	.77	.50	.077
68	30.0	10.06	15.24	7.62	3.45	2.44	6.80	3.514E-06	.002	.001	5.725E-10	10.66	.77	.50	.003
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	7.154E-06	.003	.003	2.251E-09	10.64	.77	.50	.005
70															
71															
72	30.0	8.07	15.24	7.62	0.00	1.38	3.81	5.118E-14	.000	.000	1.056E-25	11.29	.81	.50	.000
73	30.0	8.85	15.24	7.62	0.00	1.15	3.81	1.149E-04	.047	.045	5.322E-07	11.29	.81	.50	.070
74	30.0	10.07	15.24	7.62	0.00	2.37	3.81	1.792E-05	.007	.007	1.294E-08	11.29	.81	.50	.011
75	30.0	11.40	15.24	7.62	0.00	3.70	3.81	1.119E-05	.005	.004	5.047E-09	11.29	.81	.50	.007
76	30.0	12.69	15.24	7.62	0.00	4.99	3.81	1.581E-05	.007	.007	1.139E-08	11.29	.81	.50	.010
77	30.0	13.43	15.24	7.62	0.00	5.74	3.81	3.853E-06	.002	.002	5.988E-10	11.29	.81	.50	.002
78	30.0	8.04	15.24	7.62	-3.59	1.38	.70	9.534E-04	.383	.381	3.619E-05	11.55	.83	.50	.443
79	30.0	8.92	15.24	7.62	-3.63	1.17	.67	1.050E-04	.042	.041	4.298E-07	11.56	.83	.50	.048
80															
81	30.0	11.41	15.24	7.62	-3.65	3.75	.73	7.572E-06	.003	.003	2.296E-09	11.55	.83	.50	.004
82															
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	8.175E-06	.003	.003	2.605E-09	11.56	.83	.50	.004
84	30.0	7.80	15.24	7.62	-7.33	1.31	-2.54	1.308E-03	.527	.517	6.764E-05	11.39	.82	.50	.585
85	30.0	8.58	15.24	7.62	-7.36	1.09	-2.56	9.139E-05	.037	.036	3.305E-07	11.39	.82	.50	.041
86	30.0	9.86	15.24	7.62	-7.36	2.36	-2.56	3.031E-05	.012	.012	3.635E-08	11.39	.82	.50	.014
87	30.0	11.25	15.24	7.62	-7.33	3.74	-2.54	1.895E-05	.008	.007	1.421E-08	11.39	.82	.50	.008
88	30.0	12.62	15.24	7.62	-7.33	5.03	-2.54	1.336E-05	.005	.005	7.059E-09	11.39	.82	.50	.006
89	30.0	13.16	15.24	7.62	-7.35	5.65	-2.56	2.428E-05	.010	.010	2.332E-08	11.39	.82	.50	.011

PFHT TEST (92), MDAC-E RSI GAPS, RUN (98) 1973 PAGE 133

MACH = 19.290 TT = 1.013E+03(K)
PX E06 = 5.698E-01 PI = 5.171E+06(N/M2)
PL E06 = 8.109E-02 T1 = 4.778E+01(K)
RE/METER = 3.192E+06 P1 = 0.980E+02(N/M2)
HO = 2.554E+08(W/M2- K) (RHO V)1 = 1.021E+01(KG/M2-S)
TW = 293.2 (K) GAP = .229 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.73	0.00	1.401E-05	.006	.006	7.636E-09	11.56	.83	.50	.009
10															
11	90.0	11.34	7.62	0.00	7.62	3.74	0.00	2.546E-07	.000	.000	2.522E-12	11.56	.83	.50	.000
12	90.0	11.05	7.62	0.00	7.62	2.36	0.00	1.567E-05	.086	.086	9.555E-09	11.56	.83	.50	.010
13	90.0	9.93	7.62	0.00	7.62	1.14	0.00	1.074E-04	.074	.074	1.366E-06	11.56	.83	.50	.123
14	90.0	8.02	7.62	0.00	7.62	.33	0.00	5.632E-04	.223	.223	1.234E-05	11.56	.83	.50	.369
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.528E-03	.604	.604	9.081E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	3.047E-03	1.204	1.204	3.611E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.291E-03	1.301	1.301	4.214E-04	11.56	.83	.50	
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	3.606E-03	1.425	1.425	5.059E-04	11.56	.83	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	5.232E-03	2.067	2.067	1.065E-03	11.56	.83	.50	
20	90.0	-7.97	7.62	0.00	-7.62	.41	0.00	2.866E-06	.001	.001	1.660E-10	11.56	.83	.50	.000
21	90.0	-8.72	7.62	0.00	-7.62	1.17	0.00	5.456E-04	.216	.216	1.158E-05	11.56	.83	.50	.104
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	1.153E-05	.005	.005	5.170E-09	11.56	.83	.50	.002
23	90.0	-11.25	7.62	0.00	-7.62	3.78	0.00	1.474E-05	.006	.006	8.457E-09	11.56	.83	.50	.003
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	8.027E-06	.003	.003	2.507E-09	11.56	.83	.50	.002
25															
26															
27															
28	90.0	11.36	3.86	-3.76	7.62	3.72	-3.76	9.546E-06	.004	.004	3.711E-09	11.21	.81	.50	.005
29	90.0	10.09	3.81	-3.81	7.62	2.44	-3.81	1.026E-05	.004	.004	4.290E-09	11.20	.81	.50	.006
30	90.0	8.80	3.79	-3.83	7.62	1.16	-3.83	1.524E-04	.067	.064	1.076E-06	11.20	.81	.50	.091
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	7.126E-04	.296	.282	2.075E-05	11.20	.81	.50	.402
32	90.0	7.24	3.83	-3.79	7.24	0.08	-3.79	1.777E-03	.736	.702	1.287E-04	11.21	.81	.50	
33	90.0	3.71	3.79	-3.92	3.71	0.00	-3.92	2.899E-03	1.206	1.146	3.443E-04	11.19	.81	.50	
34	90.0	0.00	3.67	-3.95	0.00	0.00	-3.95	3.116E-03	1.298	1.231	3.983E-04	11.18	.81	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.89	3.585E-03	1.531	1.456	5.555E-04	11.19	.81	.50	
36	90.0	-7.28	3.88	-3.74	-7.29	0.00	-3.74	5.798E-03	2.394	2.288	1.365E-03	11.22	.81	.50	
37	90.0	-7.97	3.83	-3.79	-7.62	.37	-3.79	3.846E-03	1.592	1.520	6.027E-04	11.21	.81	.50	.665
38	90.0	-8.75	3.88	-3.74	-7.62	1.15	-3.74	3.826E-04	.158	.151	5.958E-06	11.22	.81	.50	.066
39															
40	90.0	-11.22	3.82	-3.80	-7.62	3.62	-3.80	1.931E-05	.008	.008	1.519E-08	11.21	.81	.50	.003
41	90.0	-12.64	3.95	-3.67	-7.62	5.04	-3.67	2.184E-07	.000	.000	1.938E-12	11.23	.81	.50	.000
42	90.0	-13.29	4.00	-3.62	-7.62	5.68	-3.62	1.178E-05	.005	.005	5.557E-09	11.24	.81	.50	.002
43	90.0	13.37	.27	-7.35	7.62	5.70	-7.35	1.254E-06	.001	.000	7.519E-11	10.33	.75	.50	.001
44	90.0	12.57	.29	-7.33	7.62	4.91	-7.33	5.953E-06	.003	.002	1.692E-09	10.33	.75	.50	.003
45	90.0	11.38	.30	-7.32	7.62	3.72	-7.32	3.201E-06	.002	.001	4.890E-10	10.34	.75	.50	.002
46															

CFHT TEST (92), M=8C-F PSI GAPS, RUN (90) 1973 PAGE 134

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XF (CM)	XC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	90.0	5.82	.27	-7.35	7.62	1.16	-7.35	1.386E-04	.067	.055	9.178E-07	10.33	.75	.50	.066
48	90.0	7.99	.36	-7.26	7.62	.33	-7.26	9.555E-04	.467	.392	4.436E-05	10.36	.75	.50	.457
49	90.0	7.34	.35	-7.27	7.63	0.00	-7.27	2.112E-03	1.021	.835	2.124E-04	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	3.007E-03	1.458	1.188	4.317E-04	10.33	.75	.50	
51	90.0	0.00	.22	-7.40	0.00	0.00	-7.40	2.823E-03	1.374	1.115	3.819E-04	10.31	.75	.50	
52	90.0	-3.58	.27	-7.35	-3.58	0.00	-7.35	2.914E-03	1.415	1.152	4.059E-04	10.33	.75	.50	
53	90.0	-7.24	.46	-7.16	-7.24	0.00	-7.16	6.059E-03	2.919	2.398	1.744E-03	10.39	.75	.50	
54	90.0	-7.83	.36	-7.26	-7.62	.31	-7.26	4.852E-03	2.346	1.917	1.120E-03	10.36	.75	.50	.804
55	90.0	-8.69	.32	-7.30	-7.62	1.11	-7.30	8.948E-04	.433	.354	3.817E-05	10.34	.75	.50	.148
56	90.0	-9.90	.37	-7.25	-7.62	2.32	-7.25	7.063E-06	.003	.003	2.373E-09	10.36	.75	.50	.001
57	90.0	-11.29	.36	-7.26	-7.62	3.70	-7.26	2.259E-05	.011	.009	2.429E-08	10.36	.75	.50	.004
58	90.0	-12.55	.38	-7.24	-7.62	4.97	-7.24	6.051E-07	.000	.000	1.741E-11	10.36	.75	.50	.000
59	90.0	-13.23	.37	-7.25	-7.62	5.62	-7.25	1.918E-05	.009	.008	1.750E-08	10.36	.75	.50	.003
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	1.270E-03	.625	.502	7.806E-05	10.24	.74	.50	.612
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	1.655E-04	.081	.065	1.327E-06	10.24	.74	.50	.080
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	9.752E-06	.005	.004	4.606E-09	10.24	.74	.50	.005
63	90.0	7.13	0.00	-7.62	7.13	3.71	-7.62	3.693E-06	.002	.001	6.686E-10	10.24	.74	.50	.002
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	1.157E-05	.006	.005	6.493E-09	10.24	.74	.50	.006
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	7.558E-06	.004	.003	2.767E-09	10.24	.74	.50	.004
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	1.535E-03	.805	.646	1.295E-04	10.24	.74	.50	.552
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	1.413E-04	.070	.056	9.669E-07	10.24	.74	.50	.048
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	2.317E-06	.001	.001	2.599E-10	10.24	.74	.50	.001
69	90.0	3.50	0.00	-7.62	3.50	3.74	-7.62	7.542E-06	.004	.003	2.755E-09	10.24	.74	.50	.003
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	2.132E-06	.001	.001	2.202E-10	10.24	.74	.50	.001
71	90.0	3.40	0.00	-7.62	3.40	5.81	-7.62	1.489E-06	.001	.001	1.074E-10	10.24	.74	.50	.001
72	90.0	0.00	0.00	-7.62	0.00	.38	-7.62	6.505E-06	.003	.003	2.113E-09	10.24	.74	.50	.002
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	1.297E-04	.064	.051	8.151E-07	10.24	.74	.50	.046
74	90.0	0.00	0.00	-7.62	0.00	2.37	-7.62	3.813E-06	.001	.001	4.395E-10	10.24	.74	.50	.001
75															
76	90.0	0.00	0.00	-7.62	0.00	4.99	-7.62	3.959E-06	.002	.002	7.251E-10	10.24	.74	.50	.001
77	90.0	0.00	0.00	-7.62	0.00	5.74	-7.62	3.453E-05	.017	.014	5.775E-08	10.24	.74	.50	.012
78	90.0	-3.59	0.00	-7.62	-3.59	.38	-7.62	1.276E-03	.628	.504	7.889E-05	10.24	.74	.50	.444
79	90.0	-3.63	0.00	-7.62	-3.63	1.17	-7.62	1.281E-04	.063	.051	7.948E-07	10.24	.74	.50	.045
80	90.0	-3.60	0.00	-7.62	-3.60	2.42	-7.62	1.113E-05	.005	.004	5.994E-09	10.24	.74	.50	.004
81	90.0	-3.55	0.00	-7.62	-3.55	3.76	-7.62	1.198E-05	.006	.005	6.949E-09	10.24	.74	.50	.004
82	90.0	-3.59	0.00	-7.62	-3.58	5.08	-7.62	7.507E-06	.004	.003	2.803E-09	10.24	.74	.50	.003
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	3.873E-06	.002	.002	7.264E-10	10.24	.74	.50	.001
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	4.335E-03	2.132	1.713	9.100E-04	10.24	.74	.50	.731
85	90.0	-7.36	0.00	-7.62	-7.36	1.09	-7.62	6.170E-04	.304	.244	1.844E-05	10.24	.74	.50	.104
86	90.0	-7.36	0.00	-7.62	-7.36	2.36	-7.62	2.288E-06	.001	.001	2.536E-10	10.24	.74	.50	.000
87	90.0	-7.33	0.00	-7.62	-7.33	3.74	-7.62	2.684E-06	.001	.001	3.483E-10	10.24	.74	.50	.000
88	90.0	-7.33	0.00	-7.62	-7.33	5.03	-7.62	4.702E-06	.002	.002	1.071E-09	10.24	.74	.50	.001
89															

CEHT TEST (92), M7AC-E RSI GAPS, RUN (91) 1973 PAGE 135

MACH = 10.290
PX E06 = 5.593E-01
PL E06 = 7.959E-02
RE/METER = 3.133E+06
HO = 2.554E+03(W/M2- K)
TW = 293.6 (K)
STEP = .254(CM)

TT = 1.023E+03(K)
PI = 5.171E+06(N/M2)
T1 = 4.828E+01(K)
P1 = 0.979E+02(N/M2)
(RHO V)1 = 1.014E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	13.39	7.62	0.00	7.62	5.70	.99	7.484E-06	.003	.003	2.163E-09	11.55	.83	.50	.005
10															
11															
12															
13	82.5	8.93	7.62	0.00	7.62	1.14	.99	1.753E-04	.070	.070	1.226E-06	11.55	.83	.50	.113
14	82.5	8.02	7.62	0.00	7.62	.33	.99	5.847E-04	.233	.231	1.349E-05	11.55	.83	.50	.375
15	82.5	7.24	7.62	0.00	7.29	0.00	.96	1.561E-03	.621	.617	9.607E-05	11.55	.83	.50	
16	82.5	3.63	7.62	0.00	3.63	0.00	.47	3.086E-03	1.224	1.219	3.742E-04	11.56	.83	.50	
17	82.5	0.00	7.62	0.00	0.00	0.00	0.00	3.428E-03	1.352	1.352	4.581E-04	11.56	.83	.50	
18	82.5	-3.54	7.62	0.00	-3.54	0.00	-.46	3.842E-03	1.524	1.518	5.881E-04	11.55	.83	.50	
19	82.5	-7.27	7.62	0.00	-7.27	0.00	-.95	6.291E-03	2.504	2.486	1.561E-03	11.53	.83	.50	
20	82.5	-7.97	7.62	0.00	-7.62	.41	-.99	7.662E-06	.003	.003	2.316E-09	11.52	.83	.50	.001
21	82.5	-8.72	7.62	0.00	-7.62	1.17	-.99	7.099E-04	.283	.280	1.989E-05	11.52	.83	.50	.113
22	82.5	-9.94	7.62	0.00	-7.62	2.39	-.99	9.457E-06	.004	.004	3.529E-09	11.52	.83	.50	.002
23	82.5	-11.25	7.62	0.00	-7.62	3.78	-.99	1.637E-05	.007	.006	1.858E-08	11.52	.83	.50	.003
24															
25															
26															
27	82.5	12.68	3.92	-3.80	7.62	5.04	-2.78	1.613E-05	.007	.006	1.844E-08	11.36	.82	.50	.008
28	82.5	11.35	3.86	-3.76	7.62	3.72	-2.73	2.504E-05	.010	.010	2.514E-08	11.37	.82	.50	.013
29	82.5	10.08	3.81	-3.81	7.62	2.44	-2.79	3.026E-06	.001	.001	3.677E-10	11.36	.82	.50	.002
30	82.5	8.80	3.79	-3.83	7.62	1.16	-2.80	1.553E-04	.063	.062	9.810E-07	11.36	.82	.50	.079
31	82.5	7.97	3.75	-3.87	7.62	.33	-2.84	8.104E-04	.329	.320	2.648E-05	11.35	.82	.50	.419
32	82.5	7.24	3.83	-3.79	7.24	0.00	-2.81	1.979E-03	.802	.782	1.573E-04	11.36	.82	.50	
33	82.5	3.71	3.70	-3.92	3.71	0.00	-3.48	3.054E-03	1.254	1.207	3.796E-04	11.27	.81	.50	
34	82.5	0.00	3.67	-3.95	0.00	0.00	-3.92	3.154E-03	1.312	1.246	4.101E-04	11.19	.81	.50	
35	82.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.573E-03	1.511	1.412	5.350E-04	11.11	.80	.50	
36	82.5	-7.28	3.88	-3.74	-7.28	0.00	-4.66	5.396E-03	2.312	2.131	1.236E-03	11.04	.80	.50	
37	82.5	-7.97	3.83	-3.79	-7.62	.37	-4.75	3.551E-03	1.532	1.407	5.406E-04	11.02	.80	.50	.663
38	82.5	-9.75	3.88	-3.74	-7.62	1.15	-4.78	3.393E-04	.146	.134	4.898E-06	11.03	.80	.50	.063
39															
40															
41	82.5	-12.64	3.95	-3.67	-7.62	5.04	-4.63	3.159E-05	.014	.013	4.260E-08	11.05	.80	.50	.006
42															
43	82.5	13.37	.27	-7.35	7.62	5.70	-6.29	1.749E-05	.008	.007	1.396E-08	10.65	.77	.50	.006
44															
45	82.5	11.38	.31	-7.32	7.62	3.72	-6.26	2.452E-07	.000	.000	2.738E-12	10.65	.77	.50	.000
46															
47	82.5	8.92	.27	-7.35	7.62	1.16	-6.29	1.575E-04	.072	.062	1.132E-06	10.65	.77	.50	.053
48	82.5	7.99	.36	-7.26	7.62	.33	-6.21	1.417E-03	.650	.560	9.126E-05	10.67	.77	.50	.475

37R

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CENT TEST (92), MDAC-E RSI GAPS, RUN (91) 1973 PAGE 136

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HD	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	92.5	7.31	.35	-7.27	7.30	0.00	-6.25	2.977E-03	1.368	1.176	4.035E-04	10.66	.77	.50	
50	92.5	3.69	.29	-7.33	3.69	0.00	-6.78	3.584E-03	1.739	1.456	6.349E-04	10.50	.76	.50	
51	92.5	0.00	.22	-7.40	0.00	0.00	-7.34	3.672E-03	1.491	1.214	4.538E-04	10.33	.75	.50	
52	92.5	-3.58	.27	-7.35	-3.58	0.00	-7.76	3.857E-03	1.516	1.208	4.591E-04	10.19	.74	.50	
53	92.5	-7.24	.46	-7.16	-7.24	0.00	-8.04	5.545E-03	2.797	2.191	1.537E-03	10.09	.74	.50	
54	92.5	-7.83	.36	-7.26	-7.82	.31	-8.19	4.366E-03	2.232	1.733	9.708E-04	10.04	.73	.50	.798
55	92.5	-8.69	.32	-7.30	-7.82	1.11	-8.23	7.888E-04	.402	.312	3.144E-05	10.03	.73	.50	.144
56															
57	92.5	-11.28	.36	-7.26	-7.62	3.70	-8.19	1.088E-05	.006	.004	5.971E-09	10.04	.73	.50	.002
58															
59															
60	92.5	7.14	0.00	-7.62	7.14	.27	-6.62	1.843E-03	.863	.728	1.576E-04	10.55	.76	.50	.631
61	92.5	7.35	0.00	-7.62	7.35	1.17	-6.60	1.934E-04	.090	.076	1.732E-06	10.56	.77	.50	.066
62															
63															
64	92.5	7.14	0.00	-7.62	7.14	5.82	-6.62	2.834E-05	.013	.011	3.724E-08	10.55	.76	.50	.010
65	92.5	7.14	0.00	-7.62	7.14	5.63	-6.62	2.494E-05	.012	.010	2.884E-08	10.55	.76	.50	.009
66	92.5	3.44	0.00	-7.62	3.44	.36	-7.11	2.137E-03	1.025	.845	2.171E-04	10.40	.76	.50	.590
67	92.5	3.44	0.00	-7.62	3.44	1.19	-7.11	1.478E-04	.071	.058	1.038E-06	10.40	.76	.50	.041
68	82.5	3.45	0.00	-7.62	3.45	2.44	-7.10	4.191E-06	.002	.002	8.347E-10	10.40	.76	.50	.001
69	92.5	3.50	0.00	-7.62	3.50	3.74	-7.10	3.092E-06	.001	.001	4.543E-10	10.41	.76	.50	.001
70	92.5	3.46	0.00	-7.62	3.46	5.04	-7.10	1.692E-05	.008	.007	1.361E-08	10.41	.76	.50	.005
71	82.5	3.40	0.00	-7.62	3.40	5.81	-7.11	1.855E-05	.009	.007	1.636E-08	10.40	.76	.50	.005
72	92.5	0.00	0.00	-7.62	0.00	.38	-7.55	1.570E-05	.008	.007	1.355E-08	10.26	.75	.50	.005
73	82.5	0.00	0.00	-7.62	0.00	1.15	-7.55	1.351E-04	.066	.053	8.875E-07	10.26	.75	.50	.044
74															
75															
76	92.5	0.00	0.00	-7.62	0.00	4.99	-7.55	5.358E-07	.000	.000	1.395E-11	10.26	.75	.50	.000
77	92.5	0.00	0.00	-7.62	0.00	5.74	-7.55	1.592E-05	.008	.007	1.391E-08	10.26	.75	.50	.006
78	92.5	-3.59	0.00	-7.62	-3.59	.38	-8.02	1.374E-03	.692	.543	9.428E-05	10.10	.74	.50	.457
79	92.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	1.277E-04	.064	.050	8.149E-07	10.10	.74	.50	.042
80	92.5	-3.60	0.00	-7.62	-3.60	2.42	-8.02	7.235E-06	.004	.003	2.613E-09	10.10	.74	.50	.002
81	82.5	-3.55	0.00	-7.62	-3.55	3.76	-8.02	5.780E-06	.003	.002	1.668E-09	10.10	.74	.50	.002
82	92.5	-3.59	0.00	-7.62	-3.59	5.08	-8.02	6.133E-06	.003	.002	1.878E-09	10.10	.74	.50	.002
83	92.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	1.537E-05	.008	.006	1.179E-08	10.10	.74	.50	.005
84	92.5	-7.33	0.00	-7.62	-7.33	.31	-8.51	4.032E-03	2.074	1.591	8.224E-04	9.92	.72	.50	.742
85	92.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	5.414E-04	.281	.214	1.505E-05	9.92	.72	.50	.100
86	92.5	-7.36	0.00	-7.62	-7.36	2.36	-8.52	6.342E-06	.003	.003	2.065E-09	9.92	.72	.50	.001
87	92.5	-7.33	0.00	-7.62	-7.33	3.74	-8.51	8.413E-06	.004	.003	3.634E-09	9.92	.72	.50	.002
88	92.5	-7.33	0.00	-7.62	-7.33	5.03	-8.51	4.518E-06	.002	.002	1.049E-09	9.92	.72	.50	.001
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (92) 1973 PAGE 137

MACH = 10.290 TT = 1.020E+03(K)
RX E06 = 1.000E+05 PI = 5.171E+06(N/M2)
RL E06 = 7.879E-02 T1 = 4.855E+01(K)
PE/METER = 3.102E+06 P1 = 0.978E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.818E+01(KG/M2-S)
TW =*555.0 (K) GAP = .229 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	PSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	2.477E-05	.010	.010	2.449E-08	11.50	.83	.50	.016
11	75.0	11.34	7.62	0.00	7.62	3.74	1.97	8.786E-06	.004	.003	3.081E-09	11.50	.83	.50	.006
12	75.0	10.05	7.62	0.00	7.62	2.36	1.97	4.418E-06	.002	.002	7.790E-10	11.50	.83	.50	.003
13	75.0	8.83	7.62	0.00	7.62	1.14	1.97	1.594E-04	.064	.063	1.813E-06	11.50	.83	.50	.100
14	75.0	8.02	7.62	0.00	7.62	.33	1.97	5.755E-04	.231	.227	1.322E-05	11.50	.83	.50	.362
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.590E-03	.637	.628	1.088E-04	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	3.061E-03	1.219	1.218	3.710E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.375E-03	1.334	1.334	4.475E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	3.035E-03	1.526	1.515	5.821E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	6.503E-03	2.648	2.609	1.739E-03	11.46	.82	.50	
20															
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	7.572E-04	.304	.299	2.288E-05	11.45	.82	.50	.115
22															
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	3.253E-06	.001	.001	4.250E-10	11.45	.82	.50	.000
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	3.705E-06	.001	.001	5.479E-10	11.45	.82	.50	.001
25	75.0	-13.28	7.62	0.00	-7.62	5.73	-1.97	1.535E-05	.006	.006	9.435E-09	11.45	.82	.50	.002
26	75.0	13.35	3.86	-3.76	7.62	5.70	-1.66	2.888E-06	.001	.001	3.383E-10	11.48	.83	.50	.001
27															
28															
29															
30	75.0	8.80	3.79	-3.83	7.62	1.16	-1.73	1.379E-04	.055	.054	7.570E-07	11.47	.82	.50	.063
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	8.520E-04	.345	.341	2.963E-05	11.47	.82	.50	.397
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.173E-03	.871	.859	1.881E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	3.226E-03	1.308	1.275	4.197E-04	11.35	.82	.50	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	3.127E-03	1.295	1.235	4.027E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	3.431E-03	1.472	1.356	5.024E-04	11.04	.80	.50	
36	75.0	-7.28	3.88	-3.74	-7.28	0.00	-5.50	5.137E-03	2.283	2.030	1.166E-03	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	3.349E-03	1.497	1.323	4.986E-04	10.82	.78	.50	.656
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	3.843E-04	.136	.120	4.108E-06	10.83	.78	.50	.059
39	75.0	-9.95	3.82	-3.80	-7.62	2.35	-5.64	1.330E-06	.001	.001	7.867E-11	10.82	.78	.50	.000
40															
41															
42	75.0	-13.29	4.00	-3.62	-7.62	5.68	-5.47	2.918E-06	.001	.001	3.736E-10	10.86	.78	.50	.001
43															
44	75.0	12.57	.29	-7.33	7.62	4.91	-5.18	1.554E-07	.000	.000	1.187E-12	10.95	.79	.50	.000
45															
46	75.0	10.03	.26	-7.36	7.62	2.37	-5.13	4.889E-06	.002	.002	1.039E-09	10.94	.79	.50	.001
47	75.0	8.92	.27	-7.35	7.62	1.16	-5.12	2.014E-04	.080	.080	1.761E-06	10.94	.79	.50	.052

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

OFHT TEST (92), MOD-E RSI GAPS, RUN (92) 1973 PAGE 139

CH	GAMMA (DEG)	XSURF (CM)	YB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.0	7.39	.36	-7.26	7.62	.33	-5.04	1.881E-03	.818	.743	1.531E-04	10.96	.79	.50	.484
49	75.0	7.33	.35	-7.27	7.38	0.00	-5.13	3.874E-03	1.692	1.531	6.518E-04	10.94	.79	.50	
50	75.0	7.69	.29	-7.33	3.69	0.00	-6.12	4.451E-03	2.034	1.759	9.083E-04	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	3.417E-03	1.642	1.358	5.580E-04	10.39	.75	.50	
52	75.0	-3.59	.27	-7.35	-3.58	0.00	-8.03	3.096E-03	1.560	1.223	4.804E-04	10.10	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	0.00	-8.79	5.082E-03	2.674	2.008	1.352E-03	9.82	.72	.50	
54	75.0	-7.99	.36	-7.26	-7.62	.31	-8.99	3.971E-03	2.113	1.569	8.345E-04	9.74	.71	.50	.799
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-[illegible]	6.914E-04	.369	.273	2.534E-05	9.73	.71	.50	.139
56															
57															
58															
59															
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	2.518E-03	1.116	.992	2.784E-04	10.85	.78	.50	.659
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	2.532E-04	.117	.104	3.055E-06	10.86	.78	.50	.069
62															
63	75.0	7.19	0.00	-7.62	7.19	3.71	-5.50	1.405E-07	.000	.000	8.722E-13	10.85	.78	.50	.000
64															
65															
66	75.0	3.44	0.00	-7.62	3.44	.35	-6.47	2.678E-03	1.244	1.058	3.313E-04	10.68	.77	.50	.611
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	1.652E-04	.077	.066	1.276E-06	10.60	.77	.50	.038
68															
69															
70															
71															
72															
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	1.313E-04	.064	.052	8.334E-07	10.32	.75	.50	.039
74															
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	3.072E-06	.001	.001	4.557E-10	10.32	.75	.50	.001
76															
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	1.782E-05	.009	.007	1.534E-08	10.32	.75	.50	.005
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-8.29	1.461E-03	.747	.577	1.086E-04	10.08	.73	.50	.479
79	75.0	-3.63	0.00	-7.62	-3.63	1.17	-8.30	1.142E-04	.058	.045	6.641E-07	10.00	.73	.50	.037
80															
81															
82	75.0	-3.58	0.00	-7.62	-3.58	5.08	-8.29	2.994E-06	.002	.001	4.560E-10	10.01	.73	.50	.001
83															
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	3.574E-03	1.984	1.452	7.248E-04	9.63	.71	.50	.742
85	75.0	-7.36	0.00	-7.62	-7.36	1.09	-9.26	4.386E-04	.237	.173	1.033E-05	9.63	.71	.50	.089
86															
87	75.0	-7.33	0.00	-7.62	-7.33	3.74	-9.26	3.295E-08	.000	.000	5.830E-14	9.63	.71	.50	.000
88	75.0	-7.33	0.00	-7.62	-7.33	5.03	-9.26	8.596E-07	.000	.000	4.052E-11	9.63	.71	.50	.000
89															

MACH = 10.290 TT = 1.027E+03(K)
PX E06 = 1.900E+05 PI = 5.171E+06(N/M2)
RL E06 = 7.901E-02 T1 = 4.047E+01(K)
REYNETER = 3.111E+06 P1 = 0.978E+02(N/M2)
HO = 2.554E+08(N/M2- K) (RHO V)1 = 1.011E+01(KG/M2-S)
TW =*555.0 (K) GAP = .229 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB (CM)	HT/HE
9															
10															
11	60.0	11.34	7.62	0.00	7.62	3.74	3.81	1.753E-07	.000	.000	1.254E-12	11.29	.81	.50	.000
12	60.0	11.05	7.62	0.00	7.62	2.36	3.81	2.239E-06	.001	.001	2.046E-10	11.29	.81	.50	.001
13	60.0	8.83	7.62	0.00	7.62	1.14	3.81	1.426E-04	.059	.056	8.298E-07	11.29	.81	.50	.084
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	6.832E-04	.281	.270	1.905E-05	11.29	.81	.50	.402
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.702E-03	.698	.673	1.180E-04	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.984E-03	1.196	1.179	3.546E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.295E-03	1.302	1.302	4.261E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.632E-03	1.455	1.435	5.250E-04	11.47	.82	.50	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	6.060E-03	2.504	2.398	1.509E-03	11.24	.81	.50	
20															
21	60.0	-8.72	7.62	0.00	-7.62	1.17	-3.81	6.893E-04	.285	.272	1.955E-05	11.21	.81	.50	.114
22															
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	7.835E-06	.003	.003	2.525E-09	11.21	.81	.50	.001
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	6.957E-07	.000	.000	1.940E-11	11.21	.81	.50	.000
25	60.0	-13.29	7.62	0.00	-7.62	5.73	-3.81	3.604E-06	.001	.001	5.343E-10	11.21	.81	.50	.001
26															
27	60.0	12.68	3.82	-3.80	7.62	5.04	.52	1.473E-05	.006	.006	8.558E-09	11.56	.83	.50	.006
28	60.0	11.36	3.86	-3.76	7.62	3.72	.55	2.508E-05	.010	.010	2.464E-08	11.56	.83	.50	.010
29	60.0	10.39	3.81	-3.81	7.62	2.44	.51	1.549E-05	.006	.006	9.461E-09	11.56	.83	.50	.006
30	60.0	8.89	3.79	-3.83	7.62	1.15	.49	1.142E-04	.045	.045	5.140E-07	11.56	.83	.50	.044
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.085E-03	.430	.429	4.641E-05	11.56	.83	.50	.414
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.622E-03	1.039	1.036	2.706E-04	11.56	.83	.50	
33	60.0	3.71	3.70	-3.92	3.71	0.04	-1.54	3.417E-03	1.367	1.358	4.639E-04	11.49	.83	.50	
34	60.0	0.03	3.67	-3.95	0.00	0.00	-3.42	3.283E-03	1.315	1.265	4.185E-04	11.27	.81	.50	
35	60.0	-3.59	3.73	-3.89	-3.59	0.00	-5.16	3.389E-03	1.448	1.307	4.759E-04	10.93	.79	.50	
36	60.0	-7.28	3.98	-3.74	-7.28	0.00	-6.88	4.598E-03	2.224	1.853	1.036E-03	10.47	.76	.50	
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	2.997E-03	1.436	1.184	4.276E-04	10.41	.76	.50	.646
38	60.0	-8.75	3.88	-3.74	-7.62	1.15	-7.85	2.574E-04	.120	.105	3.399E-06	10.42	.76	.50	.058
39															
40	60.0	-11.22	3.82	-3.80	-7.62	3.62	-7.10	5.439E-06	.003	.002	1.409E-09	10.41	.76	.50	.001
41	60.0	-12.64	3.95	-3.67	-7.62	5.04	-6.99	1.331E-05	.006	.005	8.397E-09	10.44	.76	.50	.003
42															
43	60.0	13.37	.27	-7.35	7.62	5.70	-2.55	3.495E-06	.001	.001	4.891E-10	11.39	.82	.50	.001
44															
45	60.0	11.39	.30	-7.32	7.62	3.72	-2.53	5.247E-06	.002	.002	1.102E-09	11.39	.82	.50	.001
46															
47	60.0	8.82	.27	-7.35	7.62	1.16	-2.55	3.386E-04	.137	.134	4.593E-06	11.39	.82	.50	.052

CEHT TEST (92), MDAC-E RSI GAPS, RUN (93) 1973 PAGE 140

CH	GAMMA (DEG)	XSURF (CM)	YR (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	60.0	7.99	.36	-7.26	7.62	.33	-2.48	2.909E-03	1.172	1.149	3.386E-04	11.40	.82	.50	.534
49	60.0	7.33	.35	-7.27	7.30	0.00	-2.64	5.435E-03	2.195	2.147	1.185E-03	11.38	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.80	-4.50	5.739E-03	2.444	2.268	1.394E-03	11.08	.80	.50	
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	3.945E-03	1.826	1.559	7.157E-04	10.61	.7	.50	
52	60.0	-3.58	.27	-7.35	-3.58	0.00	-8.16	3.139E-03	1.594	1.241	4.972E-04	10.05	.73	.50	
53	60.0	-7.24	.46	-7.16	-7.24	1.00	-9.82	4.299E-03	2.392	1.699	1.022E-03	9.40	.69	.50	
54	60.0	-7.49	.36	-7.26	-7.62	.31	-10.10	3.286E-03	1.856	1.298	6.858E-04	9.28	.68	.50	.776
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	5.346E-04	.382	.211	1.606E-05	9.26	.68	.50	.126
56															
57	60.0	-11.78	.36	-7.26	-7.62	3.70	-10.10	9.383E-06	.005	.004	4.939E-09	9.28	.68	.50	.002
58	60.0	-12.55	.38	-7.24	-7.62	4.97	-10.08	5.366E-06	.003	.002	1.614E-09	9.29	.68	.50	.001
59	60.0	-13.20	.37	-7.25	-7.62	5.62	-10.09	1.313E-05	.006	.004	5.750E-09	9.28	.68	.50	.002
60	60.0	7.14	0.00	-7.62	7.14	.27	-3.03	3.765E-03	1.534	1.468	5.737E-04	11.33	.82	.50	.699
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	4.107E-04	.167	.162	6.810E-06	11.34	.82	.50	.076
62															
63	60.0	7.19	0.00	-7.62	7.19	3.71	-3.00	1.107E-05	.005	.004	4.957E-09	11.33	.82	.50	.002
64	60.0	7.14	0.00	-7.62	7.14	5.02	-3.03	1.754E-05	.007	.007	1.244E-08	11.33	.82	.50	.003
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	8.577E-06	.004	.003	3.046E-09	11.33	.82	.50	.002
66	60.0	3.44	0.00	-7.62	3.44	.36	-4.88	3.672E-03	1.588	1.451	5.791E-04	11.00	.79	.50	.649
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	2.220E-04	.096	.088	2.117E-06	11.00	.79	.50	.039
68															
69															
70															
71	60.0	3.40	0.00	-7.62	3.40	5.81	-4.90	3.524E-06	.002	.001	5.339E-10	10.99	.79	.50	.001
72	60.0	0.00	0.00	-7.62	0.00	.38	-6.60	1.213E-05	.006	.005	6.830E-09	10.56	.77	.50	.003
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	1.707E-04	.080	.067	1.354E-06	10.56	.77	.50	.044
74	60.0	0.00	0.00	-7.62	0.00	2.37	-6.60	2.079E-06	.001	.001	2.008E-10	10.56	.77	.50	.001
75															
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	4.832E-06	.002	.002	1.084E-09	10.56	.77	.50	.001
77	60.0	0.00	0.00	-7.62	0.00	5.74	-6.60	2.809E-05	.013	.011	3.664E-08	10.56	.77	.50	.007
78	60.0	-3.59	0.00	-7.62	-3.59	.38	-8.39	1.639E-03	.844	.648	1.374E-04	9.97	.73	.50	.529
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	1.658E-04	.085	.066	1.408E-06	9.96	.73	.50	.054
80	60.0	-3.60	0.00	-7.62	-3.60	2.42	-8.40	2.196E-06	.001	.001	2.453E-10	9.96	.73	.50	.001
81	60.0	-3.55	0.00	-7.62	-3.55	3.76	-8.37	7.548E-06	.004	.003	2.910E-09	9.97	.73	.50	.002
82	60.0	-3.59	0.00	-7.62	-3.59	5.08	-8.39	3.287E-06	.002	.001	5.521E-10	9.97	.73	.50	.001
83	60.0	-3.62	0.00	-7.62	-3.62	5.79	-8.41	7.870E-06	.004	.003	3.169E-09	9.96	.73	.50	.003
84	60.0	-7.33	0.00	-7.62	-7.33	.31	-10.26	3.130E-03	1.783	1.237	5.544E-04	9.21	.68	.50	.745
85	60.0	-7.36	0.00	-7.62	-7.36	1.09	-10.28	3.460E-04	.197	.137	6.777E-06	9.20	.68	.50	.082
86	60.0	-7.36	0.00	-7.62	-7.36	2.36	-10.28	3.488E-06	.002	.001	6.889E-10	9.20	.68	.50	.001
87															
88	60.0	-7.33	0.00	-7.62	-7.33	5.03	-10.26	5.005E-06	.003	.002	1.417E-09	9.21	.68	.50	.001
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E PSI GAPS, RUN (94) 1973 PAGE 141

MACH = 10.298 TT = 1.088E+03(K)
PX E06 = 5.758E-01 PI = 5.171E+06(N/M2)
PL E06 = 8.194E-02 T1 = 4.751E+01(K)
RE/METER = 3.226E+06 P1 = 0.981E+02(N/M2)
HO = 2.554E+08(N/M2-. K) (RHO V)1 = 1.024E+01(KG/M2-S)
TW = 294.8 (K) GAP = .229 (CM)
STEP = .254(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	13.39	7.62	0.00	7.62	5.70	5.39	2.283E-06	.001	.001	2.033E-10	11.00	.00	.50	.001
10	45.0	12.72	7.62	0.00	7.62	5.03	5.39	8.522E-06	.004	.003	3.113E-09	11.00	.00	.50	.004
11	45.0	11.34	7.62	0.00	7.62	3.74	5.39	5.424E-06	.002	.002	1.232E-09	11.00	.00	.50	.003
12	45.0	10.05	7.62	0.00	7.62	2.36	5.39	9.424E-07	.000	.000	3.718E-11	11.00	.00	.50	.000
13	45.0	8.93	7.62	0.00	7.62	1.14	5.39	1.153E-04	.049	.046	5.566E-07	11.00	.00	.50	.059
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	7.995E-04	.341	.316	2.676E-05	11.00	.00	.50	.412
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.956E-03	.829	.773	1.598E-04	11.05	.00	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.996E-03	1.288	1.184	3.549E-04	11.45	.02	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.20	3.177E-03	1.256	1.256	3.913E-04	11.56	.03	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.07	-2.51	3.431E-03	1.302	1.356	4.652E-04	11.48	.02	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	5.565E-03	2.476	2.239	1.376E-03	10.94	.79	.50	
20															
21	45.0	-8.72	7.62	0.00	-7.62	1.17	-5.39	5.239E-04	.232	.207	1.190E-05	10.68	.79	.50	.094
22	45.0	-9.96	7.62	0.00	-7.62	2.39	-5.39	3.770E-06	.002	.001	6.189E-10	10.88	.79	.50	.001
23	45.0	-11.25	7.62	0.00	-7.62	3.70	-5.39	6.191E-06	.003	.002	1.662E-09	10.88	.79	.50	.001
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	9.542E-06	.004	.004	4.831E-09	10.88	.79	.50	.002
25	45.0	-13.28	7.62	0.00	-7.62	5.73	-5.39	7.283E-06	.003	.003	2.250E-09	10.88	.79	.50	.001
26	45.0	13.35	3.86	-3.76	7.62	5.78	2.73	2.505E-06	.001	.001	2.489E-10	11.43	.02	.50	.001
27	45.0	12.58	3.82	-3.80	7.62	5.04	2.70	5.182E-07	.000	.000	1.064E-11	11.43	.02	.50	.000
28															
29	45.0	10.88	3.81	-3.81	7.62	2.44	2.69	3.448E-06	.001	.001	4.698E-10	11.43	.02	.50	.001
30	45.0	8.83	3.79	-3.83	7.62	1.16	2.68	9.688E-05	.039	.038	3.651E-07	11.44	.02	.50	.032
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.205E-03	.486	.476	5.749E-05	11.44	.02	.50	.401
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	3.809E-03	1.212	1.189	3.578E-04	11.46	.02	.50	
33	45.0	3.71	3.70	-3.92	3.71	0.00	-.15	3.781E-03	1.496	1.496	5.547E-04	11.55	.03	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	3.238E-03	1.312	1.279	4.167E-04	11.36	.02	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	3.182E-03	1.488	1.257	4.369E-04	10.98	.79	.50	
36	45.0	-7.29	3.88	-3.74	-7.28	0.00	-7.79	4.128E-03	2.052	1.631	8.388E-04	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	2.476E-03	1.249	.977	3.832E-04	10.08	.73	.50	.609
38	45.0	-8.75	3.88	-3.74	-7.62	1.15	-8.03	1.998E-04	.100	.079	1.959E-06	10.10	.74	.50	.049
39	45.0	-9.95	3.82	-3.80	-7.62	2.35	-8.00	8.139E-06	.004	.003	3.284E-09	10.08	.73	.50	.002
40	45.0	-11.22	3.82	-3.80	-7.62	3.62	-8.07	1.555E-06	.001	.001	1.198E-10	10.08	.73	.50	.000
41															
42	45.0	-13.29	4.01	-3.62	-7.62	5.68	-7.95	4.803E-06	.002	.002	7.884E-10	10.13	.74	.50	.001
43															
44	45.0	12.57	.29	-7.33	7.62	4.91	.21	2.828E-06	.001	.001	3.184E-10	11.56	.03	.50	.000
45	45.0	11.38	.30	-7.32	7.62	3.72	.22	1.144E-05	.005	.005	5.078E-09	11.56	.03	.50	.002
46	45.0	10.03	.26	-7.36	7.62	2.37	.19	1.122E-05	.004	.004	4.884E-09	11.56	.03	.50	.002

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CEHT TEST (92), MRAC-E RSI GAPS, RUN (94) 1973 PAGE 142

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	9.83	.27	-7.35	7.62	1.16	.19	4.513E-04	.179	.178	7.908E-06	11.56	.83	.50	.071
48	45.0	7.39	.36	-7.26	7.62	.33	.25	3.587E-03	1.420	1.417	4.996E-04	11.56	.83	.50	.563
49	45.0	7.31	.35	-7.27	7.38	0.00	.02	6.380E-03	2.522	2.521	1.578E-03	11.56	.83	.50	
50	45.0	3.69	.29	-7.33	3.69	0.00	-2.58	6.365E-03	2.543	2.491	1.573E-03	11.39	.82	.50	
51	45.0	3.00	.22	-7.40	0.00	0.00	-5.23	4.388E-03	1.922	1.731	8.259E-04	10.92	.79	.50	
52	45.0	-3.58	.27	-7.35	-3.58	0.00	-7.73	3.298E-03	1.633	1.303	5.282E-04	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	4.816E-03	2.278	1.587	8.973E-04	9.24	.68	.50	
54	45.0	-7.99	.35	-7.26	-7.62	.31	-10.52	2.959E-03	1.708	1.169	4.957E-04	9.09	.67	.50	.750
55	45.0	-8.69	.32	-7.30	-7.62	1.11	-10.55	4.880E-04	.236	.161	9.435E-06	9.08	.67	.50	.104
56	45.0	-9.93	.37	-7.25	-7.62	2.32	-10.52	8.379E-06	.005	.003	3.973E-09	9.09	.67	.50	.002
57	45.0	-11.29	.36	-7.26	-7.62	3.70	-10.52	7.089E-06	.004	.003	2.845E-09	9.09	.67	.50	.002
58	45.0	-12.55	.38	-7.24	-7.62	4.97	-10.51	9.278E-06	.005	.004	4.870E-09	9.09	.67	.50	.002
59	45.0	-13.20	.37	-7.25	-7.62	5.62	-10.52	9.919E-06	.006	.004	5.568E-09	9.09	.67	.50	.003
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	4.523E-03	1.792	1.787	7.951E-04	11.55	.83	.50	.711
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	5.021E-04	.199	.198	9.787E-06	11.55	.83	.50	.079
62	45.0	7.13	0.00	-7.62	7.13	2.34	-.35	7.400E-06	.003	.003	2.128E-09	11.55	.83	.50	.001
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.30	9.278E-06	.004	.004	3.345E-09	11.55	.83	.50	.001
64															
65															
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	4.888E-03	1.662	1.615	6.666E-04	11.34	.82	.50	.654
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	2.739E-04	.111	.108	2.993E-06	11.34	.82	.50	.044
68															
69															
70	45.0	3.46	0.00	-7.62	3.46	5.04	-2.94	3.345E-06	.001	.001	4.461E-10	11.34	.82	.50	.001
71															
72															
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	1.875E-04	.083	.074	1.525E-06	10.88	.79	.50	.043
74															
75	45.0	0.00	0.00	-7.62	0.00	3.70	-5.39	1.004E-05	.004	.004	4.373E-09	10.88	.79	.50	.002
76	45.0	0.00	0.00	-7.62	0.00	4.99	-5.39	3.755E-07	.000	.000	6.113E-12	10.88	.79	.50	.000
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	2.403E-05	.011	.009	2.503E-08	10.88	.79	.50	.006
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	1.817E-03	.910	.718	1.622E-04	10.13	.74	.50	.557
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	1.656E-04	.083	.065	1.350E-06	10.12	.74	.50	.051
80															
81	45.0	-3.55	0.00	-7.62	-3.55	3.76	-7.90	4.405E-06	.002	.002	9.518E-10	10.14	.74	.50	.001
82	45.0	-3.58	0.00	-7.62	-3.58	5.08	-7.92	4.521E-07	.000	.000	1.084E-11	10.14	.74	.50	.000
83															
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	2.932E-03	1.696	1.158	4.877E-04	9.07	.67	.50	.745
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	2.832E-04	.164	.112	4.555E-06	9.06	.67	.50	.072
86															
87	45.0	-7.33	0.00	-7.62	-7.33	3.74	-10.57	5.427E-06	.003	.002	1.671E-09	9.07	.67	.50	.001
88	45.0	-7.33	0.00	-7.62	-7.33	5.03	-10.57	1.894E-06	.001	.000	5.795E-11	9.07	.67	.50	.000
89	45.0	-7.35	0.00	-7.62	-7.35	5.66	-10.59	9.496E-06	.005	.004	5.122E-09	9.06	.67	.50	.002

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (95) 1973 PAGE 45

MACH = 10.290
PX E06 = 1.300E+05
PL E06 = 8.217E-02
PE/METER = 3.235E+06
HC = 2.554E+00(M/M2- K)
TW =+555.0 (K)
STEP = .254(CM)

TT = 1.007E+03(K)
PI = 5.171E+06(N/M2)
T1 = 4.743E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.025E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.89F FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
10	90.0	-12.72	7.62	0.00	-7.62	5.03	0.00	1.309E-05	.005	.005	7.472E-09	11.56	.03	.50	.003
11	90.0	-11.34	7.62	0.00	-7.62	3.74	0.00	1.647E-05	.007	.007	1.050E-08	11.56	.03	.50	.003
12	90.0	-10.05	7.62	0.00	-7.62	2.36	0.00	2.483E-05	.010	.010	2.388E-08	11.56	.03	.50	.005
13	90.0	-8.83	7.62	0.00	-7.62	1.14	0.00	4.107E-04	.174	.174	7.519E-06	11.56	.03	.50	.091
14	90.0	-8.02	7.62	0.00	-7.62	.33	0.00	3.357E-03	1.326	1.326	4.363E-04	11.56	.03	.50	.699
15	90.0	-7.29	7.62	0.00	-7.29	0.00	0.00	4.862E-03	1.921	1.921	9.154E-04	11.56	.03	.50	
16	90.0	-3.63	7.62	0.00	-3.63	0.00	0.00	3.723E-03	1.471	1.471	5.367E-04	11.56	.03	.50	
17	90.0	3.00	7.62	0.00	0.00	0.00	0.00	3,188E-03	1,257	1,257	3,9,6E-04	11.56	.03	.50	
18	90.0	3.54	7.62	0.00	3.54	0.00	0.00	2.988E-03	1.149	1.149	3.275E-04	11.56	.03	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	0.00	1.734E-03	.685	.685	1.164E-04	11.56	.03	.50	
20	90.0	7.97	7.62	0.00	7.62	.41	0.00	2.066E-06	.001	.001	1.653E-10	11.56	.03	.50	.001
21	90.0	8.72	7.62	0.00	7.62	1.17	0.00	1.864E-04	.071	.071	1.268E-06	11.56	.03	.50	.104
22	90.0	9.94	7.62	0.00	7.62	2.39	0.00	1.189E-06	.000	.002	5.472E-11	11.56	.03	.50	.001
23															
24	90.0	12.62	7.62	0.00	7.62	5.07	0.00	3.091E-06	.001	.001	3.708E-10	11.56	.03	.50	.002
25	90.0	13.29	7.62	0.00	7.62	5.73	0.00	9.778E-06	.004	.004	3.782E-09	11.56	.03	.50	.005
26	90.0	-13.35	11.38	3.76	-7.62	5.78	3.76	5.788E-06	.002	.002	1.340E-09	11.30	.01	.50	.001
27	90.0	-12.68	11.42	3.80	-7.62	5.04	3.80	1.017E-05	.004	.004	4.161E-09	11.29	.01	.50	.002
28	90.0	-11.36	11.38	3.76	-7.62	3.72	3.76	1.030E-05	.004	.004	4.273E-09	11.38	.01	.50	.002
29	90.0	-10.08	11.43	3.81	-7.62	2.44	3.81	1.296E-05	.005	.005	6.761E-09	11.29	.01	.50	.002
30	90.0	-8.87	11.45	3.83	-7.62	1.16	3.83	5.487E-04	.222	.214	1.178E-05	11.29	.01	.50	.092
31	90.0	-7.97	11.49	3.87	-7.62	.33	3.87	4.266E-03	1.755	1.686	7.338E-04	11.28	.01	.50	.729
32	90.0	-7.24	11.41	3.79	-7.24	0.00	3.79	5.865E-03	2.409	2.317	1.385E-03	11.38	.01	.50	
33	90.0	-3.71	11.54	3.92	-3.71	0.00	3.92	3.551E-03	1.453	1.403	5.892E-04	11.28	.01	.50	
34	90.0	3.00	11.57	3.95	0.00	0.00	3.95	3.008E-03	1.248	1.188	3.655E-04	11.27	.01	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	3.89	2.815E-03	1.159	1.112	3.196E-04	11.28	.01	.50	
36	90.0	7.29	11.36	3.74	7.28	0.00	3.74	1.788E-03	.734	.707	1.206E-04	11.38	.01	.50	
37	90.0	7.97	11.41	3.79	7.62	.37	3.79	6.554E-04	.274	.263	1.788E-05	11.38	.01	.50	.373
38	90.0	8.75	11.36	3.74	7.62	1.15	3.74	1.582E-04	.069	.066	1.138E-06	11.30	.01	.50	.094
39	90.0	9.95	11.42	3.80	7.62	2.35	3.80	1.352E-06	.001	.001	7.364E-11	11.29	.01	.50	.001
40															
41															
42															
43	90.0	-13.37	14.97	7.35	-7.62	5.70	7.35	2.009E-06	.001	.001	1.884E-10	10.50	.76	.50	.008
44	90.0	-12.67	14.95	7.33	-7.62	4.91	7.33	1.206E-05	.005	.005	6.495E-09	10.50	.76	.50	.002
45	90.0	-11.38	14.94	7.32	-7.62	3.72	7.32	2.073E-05	.011	.011	3.681E-08	10.51	.76	.50	.005
46	90.0	-10.03	14.98	7.36	-7.62	2.37	7.36	3.719E-05	.017	.015	6.179E-08	10.49	.76	.50	.006

CFHT TEST (92), MDAC-E RSI GAPS, RUN (95) 1973 PAGE 46

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	90.0	-8.42	14.97	7.35	-7.62	1.16	7.35	7.559E-04	.345	.299	2.552E-05	10.50	.76	.50	.127
48	90.0	-7.99	14.89	7.26	-7.62	.33	7.26	4.572E-03	2.078	1.836	9.307E-04	10.52	.77	.50	.764
49	90.0	-7.31	14.89	7.27	-7.30	0.00	7.27	5.982E-03	2.719	2.364	1.594E-03	10.52	.77	.50	
51	90.0	-3.69	14.95	7.33	-3.69	3.00	7.33	3.028E-03	1.379	1.197	4.093E-04	10.50	.76	.50	
51	90.0	0.00	15.02	7.40	0.00	0.00	7.40	2.722E-03	1.243	1.076	3.316E-04	10.48	.76	.53	
52	90.0	3.65	14.97	7.35	3.58	0.00	7.35	2.779E-03	1.267	1.098	3.449E-04	10.50	.76	.50	
53	90.0	7.24	14.78	7.16	7.24	0.00	7.16	1.667E-03	.755	.659	1.233E-04	10.55	.77	.50	
54	90.0	7.89	14.89	7.26	7.62	.31	7.26	8.531E-04	.388	.337	3.241E-05	10.52	.77	.50	.514
55	90.0	9.63	14.92	7.30	7.62	1.11	7.30	2.057E-04	.094	.081	1.886E-06	10.51	.76	.50	.124
56	90.0	9.90	14.87	7.25	7.62	2.32	7.25	1.033E-05	.005	.004	4.746E-09	10.53	.77	.50	.806
57															
58															
59	90.0	13.20	14.87	7.25	7.62	5.62	7.25	2.184E-06	.001	.001	2.124E-10	10.53	.77	.50	.881
60	90.0	-7.14	15.24	7.62	-7.14	.27	7.62	4.121E-03	1.897	1.628	7.659E-04	10.41	.76	.50	.698
61	90.0	-7.35	15.24	7.62	-7.35	1.17	7.62	5.573E-04	.261	.224	1.452E-05	10.41	.76	.50	.096
62	90.0	-7.13	15.24	7.62	-7.13	2.34	7.62	2.593E-05	.012	.010	3.032E-08	10.41	.76	.50	.004
63	90.0	-7.19	15.24	7.62	-7.19	3.71	7.62	1.083E-05	.005	.004	5.290E-09	10.41	.76	.50	.002
64															
65	90.0	-7.14	15.24	7.62	-7.14	5.63	7.62	4.307E-06	.002	.002	8.367E-10	10.41	.76	.50	.001
66	90.0	-3.44	15.24	7.62	-3.44	.36	7.62	1.480E-03	.692	.585	9.887E-05	10.41	.76	.50	.494
67	90.0	-3.44	15.24	7.62	-3.44	1.19	7.62	1.569E-04	.072	.062	1.110E-06	10.41	.76	.50	.052
68	90.0	-3.45	15.24	7.62	-3.45	2.44	7.62	1.354E-05	.006	.005	8.269E-09	10.41	.76	.50	.005
69	90.0	-3.50	15.24	7.62	-3.50	3.74	7.62	1.151E-05	.005	.005	5.977E-09	10.41	.76	.50	.004
70															
71															
72															
73	90.0	0.00	15.24	7.62	0.00	1.15	7.62	1.823E-04	.084	.072	1.503E-06	10.41	.76	.50	.069
74	90.0	0.00	15.24	7.62	0.00	2.37	7.62	1.483E-05	.007	.006	9.919E-09	10.41	.76	.50	.005
75	90.0	0.00	15.24	7.62	0.00	3.70	7.62	1.595E-05	.007	.006	1.[illegible]E-08	10.41	.76	.50	.006
76	90.0	0.00	15.24	7.62	0.00	4.99	7.62	3.011E-07	.000	.000	[illegible] 12	10.41	.76	.50	.000
77	90.0	0.00	15.24	7.62	0.00	5.74	7.62	3.132E-05	.015	.013	4.5[illegible] 08	10.41	.76	.50	.012
78	90.0	3.59	15.24	7.62	3.59	.38	7.62	1.438E-03	.662	.568	9.[illegible] 05	10.41	.76	.50	.523
79	90.0	3.63	15.24	7.62	3.63	1.17	7.62	2.044E-04	.094	.081	1.[illegible] 05	10.41	.76	.50	.074
80	90.0	3.61	15.24	7.62	3.60	2.42	7.62	9.573E-07	.000	.000	4.221[illegible]	10.41	.76	.50	.000
81															
82															
83															
84	90.0	7.33	15.24	7.62	7.33	.31	7.62	1.307E-03	.602	.516	7.703E	10.41	.76	.50	.797
85	90.0	7.36	15.24	7.62	7.36	1.09	7.62	1.979E-04	.091	.078	1.766E-[illegible]	[illegible].41	.76	.50	.121
86	90.0	7.36	15.24	7.62	7.36	2.36	7.62	2.704E-07	.000	.000	3.297E-12	10.41	.76	.50	.000
87															
88															
89															

387

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

HEAT TEST (92), MACH-5 RSI GAPS, RUN (96) 1973 PAGE 47

MACH = 10.290
PX E06 = 7.764E-02
PL E06 = 7.979E-02
RE/METER = 3.141E+06
HO = 2.556E+08(W/M2- K)
TW = 298.3 (K)
STEP = .254(CM)

TT = 1.010E+03(K)
PI = 5.060E+06(N/M2)
TI = 4.753E+01(K)
PI = 0.960E+02(N/M2)
(RHO V)1 = 1.000E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	-13.39	7.62	0.00	-7.62	5.70	-.99	2.311E-06	.001	.001	2.136E-10	11.52	.83	.50	.000
10	82.5	-12.72	7.62	0.00	-7.62	5.03	-.99	4.329E-06	.002	.002	7.494E-10	11.52	.83	.50	.001
11	82.5	-11.34	7.62	0.00	-7.62	3.74	-.99	2.118E-05	.008	.008	1.794E-08	11.52	.83	.50	.004
12	82.5	-10.05	7.62	0.00	-7.62	2.36	-.99	1.017E-05	.004	.004	4.140E-09	11.52	.83	.50	.002
13	82.5	-8.83	7.62	0.00	-7.62	1.14	-.99	5.943E-04	.237	.235	1.413E-05	11.52	.83	.50	.103
14	82.5	-8.02	7.62	0.00	-7.62	.33	-.99	4.302E-03	1.713	1.700	7.402E-04	11.52	.83	.50	.747
15	82.5	-7.29	7.62	0.00	-7.29	0.00	-.95	5.753E-03	2.294	2.277	1.328E-03	11.53	.83	.50	
16	82.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.920E-03	1.555	1.549	6.120E-04	11.55	.83	.50	
17	82.5	0.00	7.62	0.00	0.00	0.00	0.00	3.272E-03	1.293	1.293	4.248E-04	11.56	.83	.50	
18	82.5	3.54	7.62	0.00	3.54	0.00	.46	2.910E-03	1.154	1.150	3.374E-04	11.56	.83	.50	
19	82.5	7.27	7.62	0.00	7.27	0.00	.95	1.731E-03	.689	.684	1.198E-04	11.55	.83	.50	
20															
21	82.5	9.72	7.62	0.00	7.62	1.17	.99	1.893E-04	.075	.075	1.433E-06	11.55	.83	.50	.109
22	82.5	9.94	7.62	0.00	7.62	2.39	.99	1.293E-05	.005	.005	5.691E-09	11.55	.83	.50	.007
23	82.5	11.25	7.62	0.00	7.62	3.70	.99	1.457E-06	.001	.001	8.495E-11	11.55	.83	.50	.001
24	82.5	12.62	7.62	0.00	7.62	5.07	.99	8.316E-07	.000	.000	2.766E-11	11.55	.83	.50	.000
25	82.5	13.29	7.62	0.00	7.62	5.73	.99	4.668E-06	.002	.002	8.715E-10	11.55	.83	.50	.003
26	82.5	-13.35	11.38	3.76	-7.62	5.70	2.74	9.094E-06	.004	.004	3.358E-09	11.43	.82	.50	.001
27	82.5	-12.69	11.42	3.80	-7.62	5.06	2.78	5.428E-06	.002	.002	1.197E-09	11.43	.82	.50	.001
28	82.5	-11.35	11.38	3.76	-7.62	3.72	2.73	1.866E-05	.008	.007	1.414E-08	11.43	.82	.50	.003
29	82.5	-10.09	11.43	3.81	-7.62	2.44	2.79	9.498E-06	.004	.004	3.666E-09	11.42	.82	.50	.001
30	82.5	-8.80	11.45	3.83	-7.62	1.15	2.80	5.778E-04	.234	.228	1.357E-05	11.42	.82	.50	.090
31	82.5	-7.97	11.49	3.87	-7.62	.33	2.84	4.745E-03	1.921	1.875	9.155E-04	11.42	.82	.50	.741
32	82.5	-7.24	11.41	3.79	-7.24	0.00	2.81	6.407E-03	2.593	2.532	1.669E-03	11.42	.82	.50	
33	82.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.631E-03	1.483	1.435	5.488E-04	11.35	.82	.50	
34	82.5	0.00	11.57	3.95	0.00	0.00	3.92	2.983E-03	1.229	1.179	3.681E-04	11.28	.81	.50	
35	82.5	3.59	11.51	3.89	3.59	0.00	4.32	2.725E-03	1.133	1.077	3.181E-04	11.21	.81	.50	
36	82.5	7.28	11.36	3.74	7.28	0.00	4.66	1.592E-03	.709	.669	1.285E-04	11.15	.81	.50	
37	82.5	7.97	11.41	3.79	7.62	.37	4.75	6.383E-04	.260	.252	1.719E-05	11.13	.80	.50	.378
38	82.5	8.75	11.36	3.74	7.62	1.15	4.70	1.777E-04	.074	.070	1.329E-06	11.14	.80	.50	.105
39															
40															
41															
42	82.5	13.29	11.24	3.62	7.62	5.58	4.58	2.550E-06	.001	.001	2.731E-10	11.16	.81	.50	.002
43	82.5	-13.37	14.97	7.35	-7.62	5.70	6.29	5.003E-06	.002	.002	1.103E-09	10.79	.78	.50	.001
44	82.5	-12.67	14.95	7.33	-7.62	4.91	6.27	9.888E-06	.004	.004	4.304E-09	10.80	.78	.50	.002
45	82.5	-11.38	14.94	7.32	-7.62	3.72	6.26	1.726E-05	.008	.007	1.314E-08	10.80	.78	.50	.003
46	82.5	-10.13	14.99	7.36	-7.62	2.37	6.30	1.359E-05	.006	.005	8.139E-09	10.79	.78	.50	.002
47	82.5	-8.92	14.97	7.35	-7.62	1.16	6.29	8.095E-04	.355	.320	2.886E-05	10.79	.78	.50	.126

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

HEAT TEST (92), M78C-F RSI GAPS, RUN (96) 1973 PAGE 48

PM	GAMMA (DEG)	XSURF (CM)	XP (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	92.5	-7.99	14.89	7.26	-7.62	.33	6.21	4.959E-03	2.170	1.960	1.081E-03	10.81	.78	.50	.760
49	92.5	-7.30	14.89	7.27	-7.30	0.00	6.25	6.450E-03	2.826	2.549	1.831E-03	10.80	.78	.50	
50	92.5	-3.69	14.95	7.33	-3.69	0.00	6.78	2.911E-03	1.300	1.150	3.801E-04	10.66	.77	.50	
51	92.5	0.00	15.02	7.40	0.00	0.00	7.34	2.484E-03	1.132	.982	2.824E-04	10.50	.76	.50	
52	92.5	3.53	14.97	7.35	3.58	0.00	7.76	2.378E-03	1.104	.948	2.638E-04	10.37	.76	.50	
53	92.5	7.24	14.78	7.16	7.24	0.00	8.04	1.143E-03	.540	.452	6.199E-05	10.28	.75	.50	
54	92.5	7.99	14.88	7.26	7.62	.31	8.19	5.644E-04	.269	.223	1.527E-05	10.23	.75	.50	.499
55	92.5	8.69	14.92	7.30	7.62	1.11	8.23	1.853E-04	.089	.073	1.669E-06	10.22	.75	.50	.164
56	92.5	9.90	14.87	7.25	7.62	2.32	8.19	1.059E-05	.005	.004	5.371E-09	10.23	.75	.50	.009
57															
58	92.5	12.55	14.86	7.24	7.62	4.97	8.18	7.480E-06	.004	.003	2.679E-09	10.23	.75	.50	.007
59	92.5	13.20	14.87	7.25	7.62	5.62	8.18	4.338E-06	.002	.002	9.013E-10	10.23	.75	.50	.004
60	92.5	-7.14	15.24	7.62	-7.14	.27	6.62	4.487E-03	1.956	1.741	8.657E-04	10.70	.78	.50	.692
61	92.5	-7.35	15.24	7.62	-7.35	1.17	6.60	6.120E-04	.271	.242	1.668E-05	10.71	.78	.50	.096
62	92.5	-7.13	15.24	7.62	-7.13	2.34	6.62	2.517E-05	.012	.010	3.054E-08	10.70	.78	.50	.004
63	92.5	-7.19	15.24	7.62	-7.19	3.71	6.62	1.319E-05	.006	.005	7.757E-09	10.71	.78	.50	.002
64	92.5	-7.14	15.24	7.62	-7.14	5.02	6.62	5.747E-06	.003	.002	1.472E-09	10.70	.78	.50	.001
65	92.5	-7.14	15.24	7.62	-7.14	5.63	6.62	1.189E-05	.005	.005	6.387E-09	10.70	.78	.50	.002
66	92.5	-3.44	15.24	7.62	-3.44	.38	7.11	1.320E-03	.596	.521	7.903E-05	10.57	.77	.50	.459
67	92.5	-3.44	15.24	7.62	-3.44	1.19	7.11	1.327E-04	.060	.052	7.987E-07	10.57	.77	.50	.046
68	92.5	-3.45	15.24	7.62	-3.45	2.44	7.10	1.058E-05	.005	.004	5.176E-09	10.57	.77	.50	.004
69	92.5	-3.50	15.24	7.62	-3.50	3.74	7.10	8.053E-06	.004	.003	2.942E-09	10.57	.77	.50	.003
70	92.5	-3.46	15.24	7.62	-3.46	5.04	7.10	8.906E-06	.004	.004	3.599E-09	10.57	.77	.50	.003
71	92.5	-3.40	15.24	7.62	-3.40	5.01	7.11	1.116E-05	.005	.004	5.650E-09	10.57	.77	.50	.004
72															
73	92.5	0.00	15.24	7.62	0.00	1.15	7.55	1.546E-04	.071	.061	1.102E-06	10.43	.76	.50	.063
74	92.5	0.00	15.24	7.62	0.00	2.37	7.55	1.104E-05	.005	.004	5.623E-09	10.43	.76	.50	.004
75															
76	92.5	0.00	15.24	7.62	0.00	4.99	7.55	2.513E-06	.001	.001	2.912E-10	10.43	.76	.50	.001
77	92.5	0.00	15.24	7.62	0.00	5.74	7.55	3.308E-05	.015	.013	5.049E-03	10.43	.76	.50	.013
78	92.5	3.59	15.24	7.62	3.59	.38	8.02	1.137E-03	.537	.449	5.132E-05	10.28	.75	.50	.486
79	92.5	3.63	15.24	7.62	3.63	1.17	8.03	1.589E-04	.080	.067	1.353E-06	10.28	.75	.50	.072
80	92.5	3.63	15.24	7.62	3.63	2.42	8.02	7.159E-07	.000	.000	2.431E-11	10.28	.75	.50	.000
81															
82	92.5	3.59	15.24	7.62	3.58	5.08	8.02	5.911E-06	.003	.002	1.657E-09	10.29	.75	.51	.003
83	92.5	3.62	15.24	7.62	3.62	5.79	8.03	3.592E-06	.002	.001	6.467E-10	10.28	.75	.50	.002
84	92.5	7.33	15.24	7.62	7.33	.31	8.51	8.259E-04	.402	.327	3.341E-05	10.12	.74	.50	.745
85	92.5	7.36	15.24	7.62	7.36	1.09	8.52	1.718E-04	.084	.068	1.442E-06	10.12	.74	.50	.155
86	92.5	7.36	15.24	7.62	7.36	2.36	8.52	3.437E-06	.002	.001	5.773E-10	10.12	.74	.50	.003
87															
88															
89	92.5	7.35	15.24	7.62	7.35	5.66	8.51	7.973E-07	.000	.000	3.187E-11	10.12	.74	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CEHT TEST (32), MDAC-E RSI GAPS, RUN (97) 1973 PAGE 49

MACH = 10.230
RY E06 = 7.663E-02
RL E06 = 7.876E-02
RE/METER = 3.101E+06
HC = 2.554E+08(M/ 2- K)
TW = 295.+ (K)
STEP = .254(CM)

TT = 1.012E+03(K)
PI = 5.012E+06(N/M2)
T1 = 4.771E+01(K)
P1 = 0.949E+02(N/M2)
(PHO V)1 = 9.896E+00(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =1.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.34	7.62	0.00	-7.62	5.70	-1.97	2.882E-06	.001	.001	3.383E-10	11.45	.82	.50	.000
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	1.308E-05	.005	.005	6.975E-09	11.45	.82	.50	.002
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	2.164E-05	.009	.009	1.909E-08	11.45	.82	.50	.004
12	75.0	-10.05	7.62	0.00	-7.62	2.36	-1.97	1.217E-05	.005	.005	6.035E-09	11.45	.82	.50	.002
13	75.0	-8.93	7.62	0.00	-7.62	1.14	-1.97	6.362E-04	.255	.251	1.649E-05	11.45	.82	.50	.104
14	75.0	-8.02	7.62	0.00	-7.62	.33	-1.97	4.559E-03	1.829	1.801	8.469E-04	11.45	.82	.50	.748
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	6.101E-03	2.446	2.411	1.515E-03	11.46	.82	.50	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.876E-03	1.543	1.532	6.872E-04	11.53	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.226E-03	1.275	1.275	4.176E-04	11.56	.83	.50	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.859E-03	1.138	1.138	3.304E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.88	1.749E-03	.701	.695	1.245E-04	11.50	.83	.50	
20															
21	75.0	8.72	7.62	0.00	7.62	1.41	1.97	1.812E-04	.073	.072	1.337E-06	11.50	.83	.50	.104
22	75.0	9.94	7.62	0.00	7.62	2.39	1.97	7.273E-06	.003	.003	2.155E-09	11.50	.83	.50	.004
23															
24															
25	75.0	17.29	7.62	0.00	7.62	5.73	1.97	1.069E-05	.004	.004	4.658E-09	11.50	.83	.50	.006
26	75.0	-13.35	11.38	3.76	-7.62	5.70	1.66	6.170E-06	.002	.002	1.548E-09	11.52	.83	.50	.001
27	75.0	-12.69	11.42	3.80	-7.62	5.04	1.70	8.949E-06	.004	.004	3.256E-09	11.52	.83	.50	.001
28	75.0	-11.35	11.38	3.76	-7.62	3.72	1.66	1.852E-05	.007	.007	1.410E-08	11.52	.83	.50	.003
29	75.0	-11.08	11.43	3.81	-7.62	2.44	1.71	4.912E-06	.002	.002	9.813E-10	11.51	.83	.50	.001
30	75.0	-9.81	11.45	3.83	-7.62	1.16	1.73	5.813E-04	.233	.230	1.374E-05	11.51	.83	.50	.008
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	4.922E-03	1.972	1.945	9.857E-04	11.51	.83	.50	.742
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	6.534E-03	2.658	2.621	1.791E-03	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.612E-03	1.462	1.427	5.363E-04	11.42	.82	.50	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.82	2.924E-03	1.202	1.155	3.569E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.576E-03	1.121	1.057	3.047E-04	11.15	.81	.50	
36	75.0	7.28	11.36	3.74	7.28	0.00	5.50	1.590E-03	.724	.668	1.243E-04	10.98	.79	.50	
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	6.449E-04	.277	.255	1.816E-05	10.95	.79	.50	.383
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	1.610E-04	.069	.064	1.130E-06	10.96	.79	.50	.095
39															
40															
41	75.0	12.64	11.23	3.67	7.62	5.04	5.51	1.258E-05	.005	.005	6.991E-09	10.98	.79	.50	.008
42	75.0	13.29	11.24	3.62	7.62	5.68	5.47	2.381E-07	.000	.000	2.462E-12	10.99	.79	.50	.000
43	75.0	-13.37	14.97	7.35	-7.62	5.70	5.12	7.947E-06	.003	.003	2.715E-09	11.06	.80	.50	.001
44	75.0	-12.57	14.95	7.33	-7.62	4.91	5.10	5.698E-06	.002	.002	1.395E-09	11.06	.80	.50	.001
45	75.0	-11.33	14.94	7.32	-7.62	3.72	5.09	1.503E-05	.007	.006	1.077E-08	11.07	.80	.50	.002
46	75.0	-11.03	14.98	7.36	-7.62	2.37	5.13	3.459E-06	.001	.001	5.146E-10	11.06	.80	.50	.001
47	75.0	-9.82	14.97	7.35	-7.62	1.15	5.12	8.436E-04	.357	.333	3.068E-05	11.06	.80	.50	.126

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (93), M18F-E PSI GAPS, RUN (97) 1973 PAGE 50

CM	GAMMA (DEG)	XSURF (CM)	XP (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.0	-7.99	14.88	7.26	-7.62	.33	5.04	5.150E-03	2.176	2.035	1.138E-03	11.00	.80	.50	.769
49	75.0	-7.30	14.99	7.27	-7.30	0.00	5.13	6.581E-03	2.829	2.640	1.919E-03	11.06	.80	.50	
50	75.0	-3.63	14.95	7.33	-3.69	2.40	6.12	2.894E-03	1.263	1.143	3.711E-04	10.83	.79	.50	
51	75.0	0.00	15.02	7.40	0.00	0.00	7.15	2.339E-03	1.059	.924	2.514E-04	10.56	.77	.50	
52	75.0	3.58	14.97	7.35	3.58	0.00	8.03	2.107E-03	.995	.832	2.128E-04	10.28	.75	.50	
53	75.0	7.24	14.78	7.16	7.24	0.00	8.79	8.227E-04	.407	.325	3.399E-05	10.02	.73	.50	
54	75.0	7.93	14.89	7.26	7.62	.31	8.99	4.054E-04	.203	.160	8.351E-06	9.95	.73	.50	.499
55	75.0	9.69	14.92	7.30	7.62	1.11	9.02	1.811E-04	.091	.072	1.670E-06	9.94	.73	.50	.223
56	75.0	9.94	14.87	7.25	7.62	2.32	8.98	1.450E-05	.007	.006	1.068E-08	9.95	.73	.50	.018
57															
59	75.0	12.55	14.86	7.24	7.62	4.97	8.97	5.334E-06	.003	.002	1.444E-09	9.95	.73	.50	.007
59	75.0	13.20	14.87	7.25	7.62	5.62	8.98	9.585E-07	.000	.000	4.666E-11	9.95	.73	.50	.001
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	4.486E-03	1.922	1.773	9.755E-04	10.98	.79	.50	.679
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	6.291E-04	.269	.249	1.719E-05	10.99	.80	.50	.095
62	75.0	-7.13	15.24	7.62	-7.13	2.34	5.52	1.421E-05	.006	.005	8.704E-09	10.98	.79	.50	.002
63	75.0	-7.19	15.24	7.62	-7.19	3.71	5.50	1.312E-05	.004	.004	4.457E-09	10.98	.79	.50	.002
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	1.914E-05	.008	.008	1.594E-08	10.98	.79	.50	.003
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	7.902E-07	.000	.000	2.649E-11	10.98	.79	.50	.000
66	75.0	-3.44	15.24	7.62	-3.44	.36	6.47	1.242E-03	.548	.491	6.916E-05	10.74	.78	.50	.434
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	1.251E-04	.055	.049	7.012E-07	10.74	.78	.50	.044
68	75.0	-3.45	15.24	7.62	-3.45	2.44	6.47	1.004E-05	.004	.004	4.517E-09	10.74	.78	.50	.004
69	75.0	-3.50	15.24	7.62	-3.50	3.74	6.45	2.284E-06	.001	.001	2.336E-10	10.75	.78	.50	.001
70	75.0	-3.46	15.24	7.62	-3.46	5.04	6.46	5.193E-06	.002	.002	1.208E-09	10.75	.78	.50	.002
71	75.0	-3.40	15.24	7.62	-3.40	5.81	6.48	1.594E-05	.007	.006	1.140E-09	10.74	.78	.50	.006
72	75.0	0.00	15.24	7.62	0.00	.38	7.36	6.543E-06	.003	.003	2.043E-09	10.49	.76	.50	.003
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	1.329E-04	.061	.052	8.174E-07	10.49	.76	.50	.057
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	5.637E-06	.003	.002	1.471E-09	10.49	.76	.50	.002
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	2.328E-06	.001	.001	2.510E-10	10.49	.76	.50	.001
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	1.113E-05	.005	.004	5.737E-09	10.49	.76	.50	.005
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	2.942E-05	.013	.012	4.008E-08	10.49	.76	.50	.013
78	75.0	3.59	15.24	7.62	3.59	.38	8.29	9.816E-04	.471	.388	4.696E-05	10.20	.74	.50	.474
79	75.0	3.63	15.24	7.62	3.63	1.17	8.30	1.551E-04	.075	.061	1.174E-06	10.19	.74	.50	.075
80	75.0	3.60	15.24	7.62	3.60	2.42	8.29	7.204E-06	.003	.003	2.530E-09	10.19	.74	.50	.003
81	75.0	3.55	15.24	7.62	3.55	3.76	8.28	2.800E-06	.001	.001	3.840E-10	10.20	.74	.50	.001
82															
83	75.0	3.62	15.24	7.62	3.62	5.79	9.30	8.220E-06	.004	.003	3.295E-09	10.19	.74	.50	.004
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	5.800E-04	.295	.229	1.737E-05	9.85	.72	.50	.725
85	75.0	7.36	15.24	7.62	7.36	1.09	9.26	1.644E-04	.084	.065	1.395E-06	9.84	.72	.50	.205
86	75.0	7.36	15.24	7.62	7.36	2.36	9.26	6.156E-06	.003	.002	1.958E-09	9.84	.72	.50	.008
87	75.0	7.37	15.24	7.62	7.33	3.74	9.26	8.304E-06	.004	.003	3.560E-09	9.85	.72	.50	.010
88	75.0	7.33	15.24	7.62	7.33	5.03	9.26	9.291E-07	.000	.000	4.447E-11	9.85	.72	.50	.001
89															

CHT TEST (92), MDAC-E RSI GAPS, RUN (98) 1973 PAGE 51

MACH = 10.290
PX E06 = 7.643E-02
PL E06 = 7.955E-02
RE/METER = 3.093E+06
HO = 2.554E+00(N/M2- K)
TW = 295.7 (K)
STEP = .254(CM)
TT = 1.013E+03(K)
PI = 5.010E+06(N/M2)
T1 = 4.777E+01(K)
P1 = 0.949E+02(N/M2)
(RHO V)1 = 9.895E+00(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =1.00E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.9	-13.39	7.62	0.00	-7.62	5.70	-3.81	4.989E-06	.002	.002	1.048E-09	11.21	.81	.50	.001
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	3.298E-06	.001	.001	4.550E-10	11.21	.81	.50	.001
11	60.3	-11.34	7.62	0.00	-7.62	3.74	-3.81	1.382E-05	.005	.005	7.137E-09	11.21	.81	.50	.002
12	60.0	-10.35	7.62	0.00	-7.62	2.36	-3.81	1.327E-05	.005	.005	7.410E-09	11.21	.81	.50	.002
13	60.3	-9.91	7.62	0.00	-7.62	1.14	-3.81	5.304E-04	.220	.210	1.104E-05	11.21	.81	.50	.093
14	60.3	-8.32	7.62	0.00	-7.62	.33	-3.81	4.110E-03	1.705	1.627	7.137E-04	11.21	.81	.50	.722
15	60.3	-7.29	7.62	0.00	-7.29	0.00	-3.65	5.721E-03	2.361	2.261	1.373E-03	11.23	.81	.50	
16	60.3	-3.63	7.62	0.00	-3.63	0.00	-1.82	3.725E-03	1.493	1.472	5.653E-04	11.47	.82	.50	
17	60.3	0.00	7.62	0.00	0.00	0.00	0.00	3.173E-03	1.254	1.254	4.043E-04	11.56	.83	.50	
18	60.3	3.54	7.62	0.00	3.54	0.00	1.77	2.854E-03	1.148	1.132	3.341E-04	11.51	.83	.50	
19	60.3	7.27	7.62	0.00	7.27	0.00	3.63	1.952E-03	.804	.775	1.683E-04	11.32	.82	.50	
20															
21	60.3	8.72	7.62	0.00	7.62	1.17	3.81	1.596E-04	.070	.067	1.201E-06	11.29	.81	.50	.007
22	60.3	8.94	7.62	0.00	7.62	2.39	3.81	7.326E-06	.003	.003	2.242E-09	11.29	.81	.50	.004
23	60.0	11.25	7.62	0.00	7.62	3.70	3.81	4.131E-06	.002	.002	7.129E-10	11.29	.81	.50	.002
24	60.3	12.62	7.62	0.00	7.62	5.07	3.81	4.840E-06	.002	.002	9.785E-10	11.29	.81	.50	.002
25															
26	60.3	-13.35	11.39	3.76	-7.62	5.70	-.55	6.890E-06	.003	.003	1.915E-09	11.54	.83	.50	.001
27	60.3	-12.69	11.42	3.80	-7.62	5.04	-.52	9.157E-06	.004	.004	3.389E-09	11.55	.83	.50	.001
28	60.3	-11.36	11.38	3.76	-7.62	3.72	-.55	2.505E-05	.010	.010	2.532E-08	11.54	.83	.50	.004
29	60.3	-10.38	11.43	3.81	-7.62	2.44	-.51	8.118E-06	.003	.003	2.657E-09	11.55	.83	.50	.001
30	60.9	-8.97	11.45	3.83	-7.62	1.16	-.49	4.971E-04	.197	.196	9.963E-06	11.55	.83	.50	.074
31	60.3	-7.97	11.49	3.87	-7.62	.33	-.46	4.847E-03	1.922	1.915	9.472E-04	11.55	.83	.50	.726
32	60.9	-7.24	11.41	3.79	-7.24	0.60	-.34	6.583E-03	2.648	2.641	1.799E-03	11.55	.83	.50	
33	60.3	-3.71	11.54	3.92	-3.71	0.00	1.54	3.741E-03	1.496	1.478	5.698E-04	11.52	.83	.50	
34	60.3	0.00	11.57	3.95	0.00	0.00	3.42	2.913E-03	1.190	1.151	3.524E-04	11.35	.82	.50	
35	60.3	3.59	11.51	3.89	3.59	0.00	5.16	2.652E-03	1.124	1.048	3.030E-04	11.85	.80	.50	
36	60.0	7.29	11.36	3.74	7.28	0.00	6.88	1.591E-03	.758	.668	1.302E-04	10.63	.77	.50	
37	60.3	7.97	11.41	3.79	7.62	.37	7.09	6.209E-04	.294	.248	1.916E-05	10.57	.77	.50	.375
38	60.3	9.75	11.36	3.74	7.62	1.15	7.05	1.479E-04	.067	.058	1.802E-06	10.58	.77	.50	.088
39															
40	60.3	11.22	11.42	3.80	7.62	3.62	7.10	5.596E-06	.003	.002	1.438E-09	10.57	.77	.50	.003
41	60.3	12.54	11.29	3.67	7.62	5.04	6.99	5.362E-06	.002	.002	1.315E-09	10.60	.77	.50	.003
42															
43	60.3	-13.37	14.97	7.35	-7.62	5.70	2.55	1.456E-05	.006	.006	8.690E-09	11.45	.82	.50	.002
44	60.0	-12.57	14.95	7.33	-7.62	4.91	2.53	1.626E-05	.007	.006	1.083E-08	11.45	.82	.50	.002
45	60.3	-11.38	14.94	7.32	-7.62	3.72	2.53	1.614E-05	.007	.006	1.067E-08	11.45	.82	.50	.002
46	60.3	-10.03	14.98	7.36	-7.62	2.37	2.56	1.112E-05	.004	.004	5.064E-09	11.45	.82	.50	.002
47	60.0	-8.82	14.97	7.35	-7.62	1.15	2.55	8.365E-04	.337	.331	2.867E-05	11.45	.82	.50	.122

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MACH-8 PSI GAPS, RUN (98) 1973 PAGE 52

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	60.0	-7.38	14.88	7.26	-7.62	.33	2.48	5.242E-03	2.112	2.071	1.125E-03	11.46	.82	.50	.764
49	60.0	-7.31	14.89	7.27	-7.30	0.00	2.64	6.844E-03	2.763	2.704	1.922E-03	11.44	.82	.50	
50	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	2.880E-03	1.202	1.138	3.521E-04	11.18	.81	.50	
51	60.0	0.00	15.02	7.40	0.00	0.00	6.41	2.143E-03	.944	.847	2.056E-04	10.76	.78	.50	
52	60.0	3.58	14.97	7.35	3.58	0.00	8.16	1.757E-03	.836	.694	1.493E-04	10.24	.75	.50	
53	60.0	7.24	14.78	7.16	7.24	0.00	9.82	5.783E-04	.301	.227	1.760E-05	9.63	.71	.50	
54	60.0	7.49	14.89	7.26	7.52	.31	10.10	2.957E-04	.159	.117	4.738E-06	9.51	.70	.50	.523
55	60.0	8.69	14.92	7.30	7.62	1.11	10.13	1.686E-04	.090	.067	1.542E-06	9.50	.70	.50	.299
56	60.0	9.90	14.97	7.25	7.62	2.32	10.09	1.256E-05	.007	.005	8.541E-09	9.51	.70	.50	.022
57	60.0	11.29	14.88	7.26	7.62	3.70	10.10	7.205E-06	.004	.003	2.813E-09	9.51	.70	.50	.013
58	60.0	12.55	14.86	7.24	7.62	4.97	10.08	4.287E-06	.002	.002	9.951E-10	9.52	.70	.50	.008
59	60.0	13.20	14.97	7.25	7.62	5.62	10.09	1.526E-06	.001	.001	1.261E-10	9.52	.70	.50	.003
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	4.447E-03	1.806	1.757	8.163E-04	11.40	.82	.50	.654
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	6.680E-04	.271	.264	1.842E-05	11.41	.82	.50	.098
62	60.0	-7.13	15.24	7.62	-7.13	2.34	3.04	1.534E-05	.007	.006	1.182E-08	11.40	.82	.50	.002
63	60.0	-7.19	15.24	7.62	-7.19	3.71	3.00	1.588E-05	.007	.007	1.176E-08	11.40	.82	.50	.002
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	9.442E-06	.004	.004	3.680E-09	11.40	.82	.50	.001
65	60.0	-7.14	15.24	7.62	-7.14	5.63	3.03	1.428E-05	.006	.006	8.414E-09	11.40	.82	.50	.002
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.213E-03	.511	.479	6.299E-05	11.11	.80	.50	.425
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	1.310E-04	.055	.052	7.348E-07	11.11	.80	.50	.046
69															
69	60.0	-3.50	15.24	7.62	-3.50	3.74	4.85	1.977E-05	.008	.008	1.672E-08	11.11	.80	.50	.007
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	1.114E-06	.000	.000	5.311E-11	11.11	.80	.50	.000
71	60.0	-3.40	15.24	7.62	-3.40	5.81	4.90	1.512E-05	.006	.006	9.788E-09	11.10	.80	.50	.005
72	60.0	0.00	15.24	7.62	0.00	.38	6.60	8.061E-06	.004	.003	2.938E-09	10.71	.78	.50	.004
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	1.553E-04	.069	.062	1.102E-06	10.71	.78	.50	.073
74	60.0	0.00	15.24	7.62	0.00	2.37	6.60	1.027E-05	.005	.004	4.751E-09	10.71	.78	.50	.005
75															
76	60.0	0.00	15.24	7.62	0.00	4.99	6.60	6.577E-06	.003	.003	2.010E-09	10.71	.78	.50	.003
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	3.350E-05	.015	.013	5.061E-09	10.71	.78	.50	.016
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	7.818E-04	.378	.339	3.001E-05	10.16	.74	.50	.452
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	1.700E-04	.082	.067	1.421E-06	10.15	.74	.50	.098
80	60.0	3.60	15.24	7.62	3.60	2.42	8.40	8.234E-06	.004	.003	3.330E-09	10.16	.74	.50	.005
81	60.0	3.55	15.24	7.62	3.55	3.76	8.37	1.543E-05	.008	.006	1.325E-08	10.17	.74	.50	.009
82	60.0	3.58	15.24	7.62	3.58	5.08	8.39	2.500E-06	.001	.001	3.068E-10	10.16	.74	.50	.001
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	1.089E-05	.005	.004	5.826E-09	10.16	.74	.50	.006
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	3.504E-04	.188	.138	6.714E-06	9.44	.70	.50	.625
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	1.535E-04	.083	.061	1.289E-06	9.44	.70	.50	.274
86	60.0	7.36	15.24	7.62	7.36	2.36	10.28	1.334E-05	.007	.005	9.737E-09	9.44	.70	.50	.024
87	60.0	7.33	15.24	7.62	7.33	3.74	10.26	3.531E-06	.002	.001	6.816E-10	9.44	.70	.50	.006
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	2.266E-06	.001	.001	2.808E-10	9.44	.70	.50	.004
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

OFHT TEST (92), MDAC-E RSI GAPS, RUN (99) 1973 PAGE 53

MACH = 10.290
PW EDG = 7.619E-02
RL EDG = 7.933E-02
RE/METER = 3.083E+06
HC = 2.554E+08(N/M2- K)
TW = 295.9 (K)
STEP = .254(CM)

TT = 1.014E+03(K)
PI = 5.005E+06(N/M2)
T1 = 4.783E+01(K)
P1 = 0.948E+02(N/M2)
(RHO V)1 = 9.857E+00(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAN/RT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.00	-7.62	5.70	-5.39	6.276E-06	.003	.002	1.773E-09	10.88	.79	.50	.001
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	4.717E-06	.002	.002	1.002E-09	10.88	.79	.50	.001
11	45.0	-11.34	7.62	0.00	-7.62	3.74	-5.39	7.512E-06	.003	.003	2.688E-09	10.88	.79	.50	.001
12	45.0	-10.05	7.62	0.00	-7.62	2.36	-5.39	1.266E-05	.006	.005	7.219E-09	10.88	.79	.50	.002
13	45.0	-8.93	7.62	0.00	-7.62	1.14	-5.39	4.369E-04	.193	.173	8.595E-06	10.88	.79	.50	.002
14	45.0	-8.02	7.62	0.00	-7.62	.33	-5.39	3.776E-03	1.669	1.492	6.420E-04	10.88	.79	.50	.707
15	45.0	-7.29	7.62	0.00	-7.29	0.00	-5.16	5.408E-03	2.362	2.134	1.299E-03	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.562E-03	1.436	1.407	5.218E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.111E-03	1.229	1.229	3.896E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.966E-03	1.195	1.172	3.610E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	2.202E-03	.933	.870	2.092E-04	11.06	.80	.50	
20	45.0	7.97	7.62	0.00	7.62	.41	5.39	7.768E-06	.003	.003	2.623E-09	11.00	.80	.50	.004
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.366E-04	.058	.054	8.114E-07	11.00	.80	.50	.863
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	1.873E-06	.001	.001	1.525E-10	11.00	.80	.50	.001
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	1.912E-06	.001	.001	1.589E-10	11.00	.80	.50	.001
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	2.109E-06	.001	.001	2.082E-10	11.00	.80	.50	.001
25	45.0	13.24	7.62	0.00	7.62	5.73	5.39	9.799E-06	.004	.004	4.174E-09	11.00	.80	.50	.004
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	1.138E-05	.005	.004	5.335E-09	11.37	.82	.50	.002
27	45.0	-12.69	11.42	3.80	-7.62	5.04	-2.70	8.804E-06	.004	.003	3.193E-09	11.37	.82	.50	.001
28	45.0	-11.36	11.38	3.76	-7.62	3.72	-2.73	1.958E-05	.008	.008	1.583E-08	11.37	.82	.50	.003
29	45.0	-10.38	11.43	3.81	-7.62	2.44	-2.69	1.344E-05	.005	.005	7.444E-09	11.37	.82	.50	.002
30	45.0	-8.90	11.45	3.83	-7.62	1.16	-2.68	4.895E-04	.198	.193	9.866E-06	11.37	.82	.50	.072
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	4.930E-03	1.992	1.948	1.800E-03	11.38	.82	.50	.724
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	6.831E-03	2.751	2.699	1.916E-03	11.40	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.709E-03	1.467	1.465	5.542E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.542E-03	1.150	1.123	3.328E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.506E-03	1.109	1.030	2.944E-04	11.02	.80	.50	
36	45.0	7.29	11.36	3.74	7.28	0.00	7.79	1.757E-03	.818	.694	1.464E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	6.891E-04	.326	.272	2.298E-05	10.27	.75	.50	.399
38	45.0	9.75	11.38	3.74	7.62	1.15	8.03	1.199E-04	.057	.047	6.922E-07	10.28	.75	.50	.069
39															
40															
41	45.0	12.64	11.29	3.67	7.62	5.04	7.98	3.192E-06	.001	.001	4.857E-10	10.30	.75	.50	.002
42															
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	2.544E-06	.001	.001	2.608E-10	11.55	.83	.50	.000
44	45.0	-12.67	14.95	7.33	-7.62	4.91	-.21	2.749E-06	.001	.001	3.045E-10	11.55	.83	.50	.000
45	45.0	-11.39	14.94	7.32	-7.62	3.72	-.22	1.275E-05	.005	.005	6.556E-09	11.55	.83	.50	.002
46															

CEHT TEST (92), MDAC-E RSI GAPS, RUN (90) 1973 PAGE 54

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	-8.82	14.97	7.35	-7.62	1.16	-.19	7.062E-04	.279	.279	2.810E-05	11.55	.83	.50	.114
48	45.0	-7.99	14.89	7.26	-7.62	.33	-.25	4.554E-03	1.847	1.843	8.772E-04	11.55	.83	.50	.751
49	45.0	-7.30	14.89	7.27	-7.30	0.00	-.02	6.218E-03	2.458	2.457	1.556E-03	11.56	.83	.50	
50	45.0	-3.69	14.95	7.33	-3.69	0.00	2.58	2.733E-03	1.102	1.080	3.066E-04	11.45	.82	.50	
51	45.0	0.00	15.02	7.40	0.00	0.00	5.23	1.930E-03	.823	.765	1.625E-04	11.04	.80	.50	
52	45.0	3.58	14.97	7.35	3.58	0.00	7.73	1.534E-03	.758	.646	1.261E-04	10.38	.76	.50	
53	45.0	7.24	14.78	7.16	7.24	0.00	10.18	5.841E-04	.313	.231	1.861E-05	9.48	.70	.50	
54	45.0	7.89	14.88	7.26	7.62	.31	10.52	3.334E-04	.182	.132	6.176E-06	9.33	.69	.50	.581
55	45.0	8.03	14.92	7.30	7.62	1.11	10.55	1.518E-04	.083	.060	1.282E-06	9.32	.69	.50	.265
56	45.0	9.99	14.97	7.25	7.62	2.32	10.52	1.101E-05	.006	.004	6.737E-09	9.33	.69	.50	.019
57	45.0	11.20	14.88	7.26	7.62	3.70	10.52	5.733E-07	.000	.000	1.826E-11	9.33	.69	.50	.001
58	45.0	12.55	14.86	7.24	7.62	4.97	10.51	1.709E-06	.001	.001	1.622E-10	9.34	.69	.50	.003
59															
60	45.0	-7.14	15.24	7.62	-7.14	.27	.34	3.853E-03	1.526	1.522	5.990E-04	11.56	.83	.50	.621
61	45.0	-7.35	15.24	7.62	-7.35	1.17	.19	5.584E-04	.221	.221	1.257E-05	11.56	.83	.50	.090
62	45.0	-7.13	15.24	7.62	-7.13	2.34	.35	2.467E-05	.010	.010	2.455E-08	11.56	.83	.50	.004
63	45.0	-7.19	15.24	7.62	-7.19	3.71	.30	3.084E-05	.012	.012	3.837E-08	11.56	.83	.50	.005
64	45.0	-7.14	15.24	7.62	-7.14	5.02	.34	1.048E-05	.004	.004	4.431E-09	11.56	.83	.50	.002
65	45.0	-7.14	15.24	7.62	-7.14	5.63	.34	1.759E-05	.007	.007	1.263E-08	11.56	.83	.50	.003
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.142E-03	.463	.451	5.383E-05	11.41	.82	.50	.420
67	45.0	-3.47	15.24	7.62	-3.44	1.19	2.95	1.439E-04	.059	.057	8.553E-07	11.41	.82	.50	.053
68	45.0	-3.46	15.24	7.62	-3.45	2.44	2.95	1.994E-05	.008	.008	1.643E-08	11.41	.82	.50	.007
69	45.0	-3.50	15.24	7.62	-3.50	3.74	2.91	2.198E-05	.009	.009	1.994E-08	11.41	.82	.50	.008
70	45.0	-3.46	15.24	7.62	-3.46	5.04	2.94	5.204E-06	.002	.002	1.118E-09	11.41	.82	.50	.002
71	45.0	-3.40	15.24	7.62	-3.40	5.81	2.98	1.050E-05	.004	.004	4.559E-09	11.40	.82	.50	.004
72	45.0	0.00	15.24	7.62	0.00	.38	5.39	4.576E-06	.002	.002	9.502E-10	11.00	.80	.50	.002
73	45.0	0.00	15.24	7.62	0.00	1.15	5.39	1.599E-04	.068	.063	1.112E-06	11.00	.80	.50	.003
74	45.0	0.00	15.24	7.62	0.00	2.37	5.39	2.508E-05	.011	.010	2.735E-08	11.00	.80	.50	.013
75	45.0	0.00	15.24	7.62	0.00	3.70	5.39	9.322E-06	.004	.004	3.778E-09	11.00	.80	.50	.005
76	45.0	0.00	15.24	7.62	0.00	4.99	5.39	2.736E-06	.001	.001	3.254E-10	11.00	.80	.50	.001
77	45.0	0.00	15.24	7.62	0.00	5.74	5.39	3.211E-05	.014	.013	4.483E-08	11.00	.80	.50	.017
78	45.0	3.59	15.24	7.62	3.59	.39	7.93	7.111E-04	.334	.281	2.417E-05	10.32	.75	.50	.440
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	1.700E-04	.080	.067	1.384E-06	10.31	.75	.50	.105
80	45.0	3.60	15.24	7.62	3.60	2.42	7.93	5.715E-06	.003	.002	1.562E-09	10.31	.75	.50	.004
81	45.0	3.55	15.24	7.62	3.55	3.76	7.90	8.883E-06	.004	.004	3.765E-09	10.33	.75	.50	.005
82	45.0	3.59	15.24	7.62	3.59	5.08	7.92	9.404E-06	.004	.004	4.225E-09	10.32	.75	.50	.006
83	45.0	3.62	15.24	7.62	3.62	5.79	7.95	8.001E-06	.004	.003	3.063E-09	10.31	.75	.50	.005
84	45.0	7.33	15.24	7.62	7.33	.31	10.57	3.272E-04	.179	.129	5.962E-06	9.31	.69	.50	.572
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	1.412E-04	.077	.056	1.112E-06	9.30	.69	.50	.247
86	45.0	7.35	15.24	7.62	7.36	2.36	10.59	9.714E-06	.005	.004	5.262E-09	9.30	.69	.50	.017
87	45.0	7.33	15.24	7.62	7.33	3.74	10.57	3.003E-06	.002	.001	5.022E-10	9.31	.69	.50	.005
88	45.0	7.33	15.24	7.62	7.33	5.03	10.57	5.457E-06	.003	.002	1.659E-09	9.31	.69	.50	.010
89															

CHT TEST (92), MDAC-E RSI GAPS, RUN (100) 1973 PAGE 279

MACH = 10.298
PX E06 = 3.217E-01
RL E06 = 8.042E-02
DIAMETER = 3.166E+00
HO = 2.594E+08 (N/M2- K)
TW = 297.4 (K)
STEP = .254 (CM)

TT = 1.019E+03 (K)
PI = 5.184E+06 (N/M2)
TI = 4.887E+01 (K)
PI = 0.982E+02 (N/M2)
(RHO V)I = 1.019E+01 (KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TAW/TT = 1.895 FOR HT/HO

XSURF = SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES (GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XT (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	8.754E-06	.004	.003	3.724E-09	10.24	.74	.50	.003
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	1.077E-05	.005	.004	5.621E-09	10.24	.74	.50	.004
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	7.189E-06	.004	.003	2.586E-09	10.24	.74	.50	.003
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	2.006E-05	.010	.008	1.951E-08	10.24	.74	.50	.007
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	1.254E-04	.062	.050	7.621E-07	10.24	.74	.50	.045
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	1.691E-03	.733	.589	1.078E-04	10.24	.74	.50	.537
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	2.821E-03	1.366	1.115	3.798E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	3.239E-03	1.336	1.288	4.265E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.250E-03	1.288	1.288	4.135E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	3.089E-03	1.264	1.220	3.840E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	3.033E-03	1.378	1.198	4.120E-04	10.52	.77	.50	
20	0.0	0.00	7.62	0.00	7.62	.41	7.62	2.688E-06	.001	.001	3.067E-10	10.41	.76	.50	.001
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	1.838E-04	.084	.072	1.528E-06	10.41	.76	.50	.061
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	2.337E-05	.011	.009	2.478E-08	10.41	.76	.50	.008
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	1.165E-05	.005	.005	6.156E-09	10.41	.76	.50	.004
24	0.0	0.00	7.62	0.00	7.62	5.07	7.62	8.721E-06	.004	.003	3.451E-09	10.41	.76	.50	.003
25	0.0	0.00	7.62	0.00	7.62	5.73	7.62	6.586E-06	.003	.003	1.968E-09	10.41	.76	.50	.002
26	0.0	-3.76	3.86	-3.76	-7.62	5.78	-7.62	2.739E-06	.001	.001	3.637E-10	10.24	.74	.50	.001
27	0.0	-3.80	3.82	-3.80	-7.62	5.84	-7.62	5.124E-06	.003	.002	1.273E-09	10.24	.74	.50	.002
28	0.0	-3.76	3.86	-3.76	-7.62	3.72	-7.62	8.179E-06	.004	.003	3.244E-09	10.24	.74	.50	.003
29	0.0	-3.81	3.91	-3.81	-7.62	2.44	-7.62	2.074E-05	.010	.008	2.886E-08	10.24	.74	.50	.007
30	0.0	-3.83	3.79	-3.83	-7.62	1.16	-7.62	1.284E-04	.063	.051	7.994E-07	10.24	.74	.50	.043
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.688E-03	.791	.636	1.254E-04	10.24	.74	.50	.533
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	3.077E-03	1.486	1.216	4.506E-04	10.36	.75	.50	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	3.593E-03	1.485	1.428	5.259E-04	11.22	.81	.50	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	3.554E-03	1.404	1.404	4.918E-04	11.56	.83	.50	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	3.621E-03	1.401	1.352	4.725E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.28	0.00	7.28	3.078E-03	1.400	1.216	4.246E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.431E-03	.659	.565	9.292E-05	10.41	.76	.50	.471
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	1.357E-04	.062	.054	8.352E-07	10.41	.76	.50	.045
39	0.0	-3.80	3.82	-3.80	7.62	2.35	7.62	1.374E-05	.006	.005	8.560E-09	10.41	.76	.50	.005
40	0.0	-3.93	3.82	-3.80	7.62	3.62	7.62	1.053E-05	.005	.004	5.035E-09	10.41	.76	.50	.003
41	0.0	-3.67	3.95	-3.67	7.62	5.04	7.62	5.850E-06	.002	.002	1.162E-09	10.41	.76	.50	.002
42	0.0	-3.62	4.00	-3.62	7.62	5.68	7.62	8.421E-06	.004	.003	3.217E-09	10.41	.76	.50	.003
43	0.0	-7.35	.27	-7.35	-7.62	5.78	-7.62	6.576E-06	.003	.003	2.097E-09	10.24	.74	.50	.001
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	9.309E-06	.005	.004	4.384E-09	10.24	.74	.50	.002
45	0.0	-7.32	.30	-7.32	-7.62	3.72	-7.62	1.513E-05	.007	.006	1.110E-08	10.24	.74	.50	.003
46	0.0	-7.36	.26	-7.36	-7.62	2.37	-7.62	8.816E-06	.004	.003	3.769E-09	10.24	.74	.50	.002

HEAT TEST (92), MDAC-E RSI GAPS, RUN (100) 1973 PAGE 280

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	3.957E-04	.195	.156	7.592E-06	10.24	.74	.50	.090
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	3.188E-03	1.569	1.260	4.929E-04	10.24	.74	.50	.646
49	0.0	-7.27	.35	-7.27	-7.30	0.00	-7.30	5.011E-03	2.427	1.980	1.199E-03	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	3.60	-3.69	4.900E-03	2.024	1.936	9.774E-04	11.23	.81	.50	
51	0.0	-7.40	.22	-7.40	0.30	0.00	0.00	4.533E-03	1.831	1.831	8.360E-04	11.56	.83	.50	
52	0.0	-7.58	.04	-7.58	3.58	0.00	3.58	4.455E-03	1.825	1.760	8.011E-04	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	4.770E-03	2.166	1.885	1.018E-03	10.53	.77	.50	
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	3.041E-03	1.400	1.202	4.195E 04	10.41	.76	.50	.646
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	4.514E-04	.208	.178	9.243E-06	10.41	.76	.50	.096
56	0.0	-7.25	.37	-7.25	7.62	2.32	7.62	1.075E-05	.005	.004	5.243E-09	10.41	.76	.50	.002
57	0.0	-7.25	.36	-7.26	7.62	3.70	7.62	1.590E-05	.007	.006	1.141E-08	10.41	.76	.50	.003
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	1.124E-05	.005	.004	5.728E-09	10.41	.76	.50	.002
59	0.0	-7.25	.37	-7.25	7.62	5.62	7.62	1.299E-05	.006	.005	7.655E-09	10.41	.76	.50	.003
60	0.0	-7.85	0.00	-7.62	-7.14	.27	-7.14	3.771E-03	1.812	1.490	6.736E-04	10.39	.75	.50	.747
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	4.660E-04	.226	.184	1.039E-05	10.33	.75	.50	.093
62	0.0	-9.92	0.00	-7.62	-7.13	2.34	-7.13	1.600E-05	.005	.004	4.734E-09	10.40	.75	.50	.002
63	0.0	-11.29	0.00	-7.62	-7.19	3.71	-7.19	1.109E-05	.005	.004	5.844E-09	10.38	.75	.50	.002
64	0.0	-12.60	0.00	-7.62	-7.14	5.02	-7.14	3.898E-06	.002	.002	7.192E-10	10.39	.75	.50	.001
65	0.0	-13.22	0.00	-7.62	-7.14	5.63	-7.14	6.517E-06	.003	.003	2.073E-09	10.39	.75	.50	.001
66	0.0	-7.99	0.00	-7.62	-3.44	.36	-3.44	3.217E-03	1.322	1.271	4.191E-04	11.27	.81	.50	.653
67	0.0	-8.91	0.00	-7.62	-3.44	1.19	-3.44	2.837E-04	.117	.112	3.260E-06	11.27	.81	.50	.058
68	0.0	-10.06	0.00	-7.62	-3.45	2.44	-3.45	5.309E-06	.002	.002	1.142E-09	11.26	.81	.50	.001
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	1.598E-05	.007	.006	1.035E-08	11.26	.81	.50	.003
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	2.044E-06	.001	.001	1.693E-10	11.26	.81	.50	.000
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	5.586E-06	.002	.002	1.263E-09	11.27	.81	.50	.001
72	0.0	-9.07	0.00	-7.62	0.00	.38	0.00	1.527E-05	.006	.006	9.086E-09	11.56	.83	.50	.003
73	0.0	-8.35	0.00	-7.62	0.00	1.15	0.00	2.582E-04	.106	.106	2.802E-06	11.56	.83	.50	.050
74	0.0	-10.07	0.00	-7.62	0.00	2.37	0.00	6.030E-06	.002	.002	1.416E-09	11.56	.83	.50	.001
75	0.0	-11.40	0.00	-7.62	0.00	3.70	0.00	4.001E-06	.002	.002	6.233E-10	11.56	.83	.50	.001
76	0.0	-12.69	0.00	-7.62	0.00	4.99	0.00	6.295E-06	.002	.002	1.543E-09	11.56	.83	.50	.001
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	3.046E-05	.012	.012	3.614E-08	11.56	.83	.50	.007
78	0.0	-9.04	0.00	-7.62	3.59	.38	3.59	2.703E-03	1.107	1.068	2.949E-04	11.32	.82	.50	.607
79	0.0	-9.92	0.00	-7.62	3.63	1.17	3.63	3.019E-04	.124	.119	3.682E-06	11.32	.82	.50	.068
80	0.0	-10.07	0.00	-7.62	3.60	2.42	3.60	5.511E-06	.002	.002	1.364E-09	11.32	.82	.50	.001
81	0.0	-11.41	0.00	-7.62	3.55	3.76	3.55	3.728E-06	.002	.001	5.607E-10	11.33	.82	.50	.001
82	0.0	-12.73	0.00	-7.62	3.58	5.08	3.58	1.378E-05	.006	.005	7.661E-09	11.33	.82	.50	.003
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	1.170E-05	.005	.005	5.531E-09	11.32	.82	.50	.003
84	0.0	-7.80	0.00	-7.62	7.33	.31	7.33	4.093E-03	1.865	1.617	7.522E-04	10.50	.76	.50	.861
85	0.0	-8.59	0.00	-7.62	7.36	1.09	7.36	5.736E-04	.261	.226	1.476E-05	10.49	.76	.50	.121
86	0.0	-9.86	0.00	-7.62	7.36	2.35	7.36	6.038E-06	.003	.002	1.639E-09	10.49	.76	.50	.001
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	1.900E-05	.009	.008	1.621E-08	10.50	.76	.50	.004
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	1.155E-05	.005	.005	5.987E-09	10.50	.76	.50	.002
89	0.0	-13.16	0.00	-7.62	7.35	5.66	7.35	1.187E-05	.005	.005	5.329E-09	10.50	.76	.50	.002

CFHT TEST (92), MDAC-E RSI GAPS, RUN (101) 1973 PAGE 281

MACH = 10.290
RX E06 = 1.000E+05
RL E06 = 8.024E-02
PE/METER = 3.159E+06
HO = 2.554E+00(W/M2- K)
TW = *555.0 (K)
STEP = .254(CM)

TT = 1.028E+03(K)
PI = 5.184E+06(N/M2)
T1 = 4.813E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.019E+01(KG/M2-S)
GAP = .229 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	3.507E-06	.002	.001	5.951E-10	10.26	.75	.50	.001
11	7.5	0.00	7.62	0.00	-7.62	3.74	-7.55	2.934E-06	.001	.001	4.163E-10	10.26	.75	.50	.001
12															
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	1.359E-04	.067	.054	8.929E-07	10.26	.75	.50	.041
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	1.929E-03	.946	.762	1.799E-04	10.26	.75	.50	.575
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	3.486E-03	1.644	1.346	5.523E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	3.250E-03	1.344	1.288	4.321E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.234E-03	1.278	1.278	4.876E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	3.131E-03	1.281	1.237	3.956E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.652E-03	1.207	1.052	3.170E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	1.519E-06	.001	.001	1.046E-10	10.43	.76	.50	.001
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	1.394E-04	.073	.063	1.151E-06	10.43	.76	.50	.061
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	1.981E-05	.009	.008	1.778E-08	10.43	.76	.50	.008
23	7.5	0.00	7.62	0.00	7.62	3.70	7.55	1.038E-05	.005	.004	4.879E-09	10.43	.76	.50	.004
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	1.305E-05	.006	.005	7.713E-09	10.43	.76	.50	.005
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	5.688E-06	.003	.002	1.466E-09	10.43	.76	.50	.002
26	7.5	-3.75	3.86	-3.76	-7.62	5.78	-8.05	2.837E-06	.001	.001	4.804E-10	10.89	.74	.50	.001
27															
28	7.5	-3.76	3.86	-3.76	-7.62	3.72	-8.05	4.154E-06	.002	.002	8.586E-10	10.89	.74	.50	.001
29	7.5	-3.81	3.81	-3.81	-7.62	2.44	-8.05	5.753E-06	.003	.002	1.549E-09	10.89	.73	.50	.002
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	1.384E-04	.070	.055	9.530E-07	10.89	.73	.50	.042
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.958E-03	.989	.774	1.913E-04	10.89	.73	.50	.589
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	3.485E-03	1.681	1.346	5.646E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-3.71	0.00	-4.19	3.520E-03	1.481	1.391	5.141E-04	11.14	.80	.50	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	3.502E-03	1.421	1.415	5.021E-04	11.55	.83	.50	
35	7.5	-3.83	3.73	-3.99	3.59	0.00	3.05	3.544E-03	1.440	1.400	5.034E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	3.817E-03	1.344	1.192	4.001E-04	10.68	.78	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	1.276E-03	.575	.504	7.242E-05	10.58	.77	.50	.420
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	1.259E-04	.057	.050	7.060E-07	10.58	.77	.50	.042
39	7.5	-3.80	3.82	-3.80	7.62	2.35	7.06	1.123E-05	.005	.004	5.610E-09	10.58	.77	.50	.004
40	7.5	-3.80	3.82	-3.80	7.62	3.62	7.06	1.072E-05	.007	.006	9.643E-09	10.58	.77	.50	.005
41	7.5	-3.67	3.95	-3.67	7.62	5.04	7.08	2.649E-06	.001	.001	3.124E-10	10.58	.77	.50	.001
42	7.5	-3.62	4.00	-3.62	7.62	5.68	7.08	5.267E-06	.002	.002	1.235E-09	10.58	.77	.50	.002
43	7.5	-7.35	.27	-7.35	-7.62	5.78	-8.51	2.114E-06	.001	.001	2.284E-10	9.92	.72	.50	.000
44	7.5	-7.33	.29	-7.33	-7.62	4.91	-8.51	5.455E-06	.003	.002	1.521E-09	9.92	.72	.50	.001
45	7.5	-7.32	.30	-7.32	-7.62	3.72	-8.51	8.589E-06	.004	.003	3.788E-09	9.92	.72	.50	.002
46	7.5	-7.36	.26	-7.36	-7.62	2.37	-8.51	4.593E-06	.002	.002	1.078E-09	9.92	.72	.50	.001

CEHT TEST (92), MDAC-E RSI GAPS, RUN (101) 1973 PAGE 282

CH	GAMMA (DEG)	YSURF (CM)	XP (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	-7.35	-.27	-7.35	-7.62	1.16	-8.51	2.939E-04	.152	.116	4.414E-06	9.92	.72	.50	.068
48	7.5	-7.26	.36	-7.26	-7.62	.33	-8.50	2.755E-03	1.432	1.093	3.906E-04	9.93	.72	.50	.640
49	7.5	-7.27	.35	-7.27	-7.30	0.00	-8.19	4.602E-03	2.239	1.739	9.721E-04	10.04	.73	.50	
50	7.5	-7.33	.29	-7.33	-3.69	0.00	-4.61	4.703E-03	2.012	1.658	9.334E-04	11.05	.80	.50	
51	7.5	-7.44	.22	-7.40	0.00	0.00	-.97	4.746E-03	1.890	1.875	8.845E-04	11.53	.83	.50	
52	7.5	-7.58	.04	-7.58	3.58	0.00	2.56	4.924E-03	1.985	1.946	9.643E-04	11.45	.82	.50	
53	7.5	-7.16	.46	-7.16	7.24	0.00	6.25	5.814E-03	2.547	2.297	1.460E-03	10.80	.78	.50	
54	7.5	-7.26	.36	-7.26	7.62	.31	6.61	3.764E-03	1.670	1.487	6.200E-04	10.71	.78	.50	.656
55	7.5	-7.31	.32	-7.30	7.62	1.11	6.60	5.734E-04	.254	.227	1.439E-05	10.71	.78	.50	.100
56	7.5	-7.25	.37	-7.25	7.62	2.32	6.61	1.572E-05	.007	.006	1.081E-08	10.71	.78	.50	.003
57	7.5	-7.26	.36	-7.26	7.62	3.70	6.61	2.092E-05	.009	.008	1.916E-08	10.71	.78	.50	.004
58	7.5	-7.24	.38	-7.24	7.62	4.97	6.61	1.899E-05	.008	.008	1.579E-08	10.71	.78	.50	.003
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	1.189E-05	.005	.005	6.191E-09	10.71	.78	.50	.002
60	7.5	-7.45	0.00	-7.62	-7.14	-.27	-8.08	3.219E-03	1.627	1.272	5.166E-04	10.08	.73	.50	.727
61	7.5	-8.75	0.00	-7.62	-7.35	1.17	-8.28	3.587E-04	.183	.142	6.488E-06	10.01	.73	.50	.082
62	7.5	-9.92	0.01	-7.62	-7.13	2.34	-8.06	3.293E-07	.000	.000	5.401E-12	10.09	.73	.50	.000
63	7.5	-11.29	0.00	-7.62	-7.19	3.71	-8.12	8.818E-06	.004	.003	3.887E-09	10.06	.73	.50	.002
64	7.5	-12.63	0.00	-7.62	-7.14	5.02	-8.07	4.047E-06	.002	.002	8.162E-10	10.08	.73	.50	.001
65	7.5	-13.22	0.00	-7.62	-7.14	5.63	-8.07	7.426E-06	.004	.003	2.749E-09	10.08	.73	.50	.002
66	7.5	-7.96	0.00	-7.62	-3.44	.35	-4.41	3.028E-03	1.285	1.197	3.839E-04	11.09	.80	.50	.639
67	7.5	-8.81	0.00	-7.62	-3.44	1.19	-4.41	2.451E-04	.104	.097	2.514E-06	11.09	.80	.50	.052
68	7.5	-10.06	0.00	-7.62	-3.45	2.44	-4.41	9.265E-06	.004	.004	3.594E-09	11.09	.80	.50	.002
69	7.5	-11.35	0.01	-7.62	-3.50	3.74	-4.46	1.811E-05	.008	.007	1.376E-08	11.08	.80	.50	.004
70	7.5	-12.65	0.00	-7.62	-3.46	5.04	-4.43	1.068E-05	.005	.004	4.774E-09	11.09	.80	.50	.002
71	7.5	-13.42	0.00	-7.62	-3.40	5.81	-4.37	1.030E-05	.004	.004	4.434E-09	11.10	.80	.50	.002
72	7.5	-8.37	0.00	-7.62	0.00	.38	-.99	7.870E-06	.003	.003	2.433E-09	11.92	.83	.50	.002
73	7.5	-8.96	0.00	-7.62	0.00	1.15	-.99	2.516E-04	.104	.103	2.689E-06	11.52	.83	.50	.055
74															
75	7.5	-11.44	0.00	-7.62	0.00	3.70	-.99	1.354E-05	.008	.008	1.500E-08	11.52	.83	.50	.004
76	7.5	-12.69	0.00	-7.62	0.00	4.99	-.99	1.079E-05	.004	.004	4.573E-09	11.52	.83	.50	.002
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	3.191E-05	.013	.013	4.001E-09	11.52	.83	.50	.007
78	7.5	-8.34	0.00	-7.62	3.59	.38	2.57	2.960E-03	1.193	1.170	3.484E-04	11.45	.82	.50	.601
79	7.5	-8.92	0.00	-7.62	3.63	1.17	2.60	3.327E-04	.134	.131	4.406E-06	11.44	.82	.50	.068
80	7.5	-10.07	0.00	-7.62	3.60	2.42	2.58	2.159E-05	.009	.009	1.855E-08	11.45	.82	.50	.004
81	7.5	-11.41	0.00	-7.62	3.55	3.76	2.53	2.851E-05	.011	.011	3.232E-08	11.45	.82	.50	.006
82	7.5	-12.73	0.00	-7.62	3.59	5.08	2.55	1.337E-05	.005	.005	7.109E-09	11.45	.82	.50	.003
83	7.5	-13.44	0.00	-7.62	3.62	5.79	2.59	1.249E-05	.005	.005	5.209E-09	11.44	.82	.50	.003
84	7.5	-7.80	0.00	-7.62	7.33	.31	6.27	4.963E-03	2.176	1.961	1.065E-03	10.80	.78	.50	.854
85	7.5	-8.38	0.00	-7.62	7.36	1.09	6.30	6.730E-04	.295	.266	1.960E-05	10.79	.78	.50	.116
86	7.5	-9.55	0.00	-7.62	7.36	2.36	6.30	7.598E-06	.003	.003	2.499E-09	10.79	.78	.50	.001
87	7.5	-11.23	0.00	-7.62	7.33	3.74	6.27	2.443E-05	.011	.010	2.583E-08	10.80	.78	.50	.004
88	7.5	-12.52	0.00	-7.62	7.33	5.03	6.27	5.445E-06	.002	.002	1.282E-09	10.80	.78	.50	.001
89	7.5	-13.18	0.00	-7.62	7.35	5.66	6.29	6.359E-06	.003	.003	1.755E-09	10.79	.78	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CENT TEST (92), MDAC-E RSI GAPS, RUN (102) 1973 PAGE 203

MACH = 10.290
RX E06 = 3.201E-01
RL E06 = 8.003E-02
RE/METER = 3.151E+06
HO = 2.554E+00(W/M2- K)
TW = 297.1 (K)
STEP = .254(CM)

TT = 1.021E+03(K)
PI = 5.180 E+06(N/M2)
TI = 4.018E+01(K)
PI = 0.981E+02(N/M2)
(RHO V)1 = 1.017E+01(KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	6.614E-06	.003	.003	2.099E-09	10.32	.75	.58	.002
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	8.192E-06	.004	.003	3.220E-09	10.32	.75	.58	.002
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	5.874E-06	.003	.002	1.655E-09	10.32	.75	.58	.002
12															
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	1.794E-04	.087	.071	1.543E-06	10.32	.75	.53	.046
14	15.0	0.11	7.62	0.00	-7.62	.33	-7.36	2.408E-03	1.170	.952	2.783E-04	10.32	.75	.50	.620
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	3.943E-03	1.885	1.553	7.344E-04	10.42	.76	.53	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	3.201E-03	1.317	1.265	4.165E-04	11.26	.81	.58	
17	15.0	0.00	7.62	0.00	0.00	6.00	0.00	3.193E-03	1.262	1.262	3.988E-04	11.56	.83	.58	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	3.112E-03	1.272	1.230	3.909E-04	11.35	.82	.58	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.474E-03	1.114	.977	2.722E-04	10.59	.77	.58	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	8.880E-07	.000	.000	3.552E-11	10.49	.76	.50	.000
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	1.537E-04	.070	.061	1.065E-06	10.49	.76	.50	.063
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	2.117E-05	.010	.008	2.018E-08	10.49	.76	.50	.009
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	1.310E-05	.006	.005	7.725E-09	10.49	.76	.50	.005
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	5.462E-06	.002	.002	1.344E-09	10.49	.76	.50	.002
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	1.085E-05	.005	.004	5.308E-09	10.49	.76	.50	.004
26	15.0	-3.76	3.86	-3.76	-7.62	5.70	-8.33	5.059E-06	.003	.002	1.297E-09	9.99	.73	.50	.001
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	8.424E-06	.004	.003	3.598E-09	9.98	.73	.50	.002
28	15.0	-3.76	3.86	-3.76	-7.62	3.72	-8.33	1.302E-05	.010	.008	1.832E-08	9.99	.73	.50	.005
29	15.0	-3.81	3.81	-3.81	-7.62	2.44	-8.35	4.521E-06	.002	.002	1.036E-09	9.98	.73	.50	.001
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	1.571E-04	.086	.066	1.416E-06	9.98	.73	.50	.046
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	2.320E-03	1.192	.917	2.732E-04	9.98	.73	.50	.635
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	3.733E-03	1.876	1.475	6.917E-04	10.12	.74	.58	
33	15.0	-3.92	3.73	-3.92	-3.71	0.00	-4.60	3.369E-03	1.441	1.331	4.795E-04	11.06	.80	.58	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	3.535E-03	1.408	1.397	4.917E-04	11.52	.83	.50	
35	15.0	-3.89	3.73	-3.89	3.59	0.00	2.46	3.606E-03	1.453	1.425	5.175E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.06	2.959E-03	1.293	1.173	3.794E-04	10.05	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	1.161E-03	.511	.459	5.859E-05	10.77	.78	.50	.395
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	1.220E-04	.054	.048	6.469E-07	10.76	.78	.50	.042
39	15.0	-3.80	3.82	-3.80	7.62	2.35	6.38	1.460E-05	.006	.006	9.263E-09	10.77	.78	.50	.005
40	15.0	-3.85	3.82	-3.80	7.62	3.62	6.38	1.857E-05	.008	.007	1.499E-08	10.77	.78	.53	.006
41	15.0	-3.87	3.95	-3.87	7.62	5.04	6.41	1.855E-05	.008	.007	1.497E-08	10.76	.78	.50	.006
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	9.350E-06	.004	.004	3.970E-09	10.76	.78	.50	.003
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	4.651E-06	.003	.002	1.154E-09	9.63	.71	.50	.001
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	9.557E-06	.005	.004	4.974E-09	9.63	.71	.50	.003
45	15.0	-7.32	.30	-7.32	-7.62	3.72	-9.25	1.547E-05	.008	.006	1.276E-08	9.63	.71	.50	.004
46	15.0	-7.36	.26	-7.36	-7.62	2.37	-9.26	4.055E-06	.002	.002	8.817E-10	9.63	.71	.50	.001
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	2.579E-04	.139	.102	3.548E-06	9.63	.71	.50	.365

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

HEAT TEST (32), MACH-E RGT GAPS, RUN (102) 1973 PAGE 284

CH	GAMMA (DEG)	XP/RF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUR-L (CM)	HT/HE
48	15.0	-7.30	.35	-7.26	-7.62	.33	-9.24	2.586E-03	1.395	1.022	3.564E-04	9.64	.71	.50	.649
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	4.056E-03	2.151	1.603	8.619E-04	9.76	.71	.50	
50	15.0	-7.33	.23	-7.33	-3.69	3.40	-5.46	4.452E-03	1.979	1.763	8.723E-04	10.86	.79	.50	
51	15.0	-7.40	.22	-7.40	0.00	0.00	-1.92	4.503E-03	1.846	1.819	8.393E-04	11.46	.82	.50	
52	15.0	-7.58	.04	-7.58	3.58	0.00	1.50	5.225E-03	2.089	2.065	1.078E-03	11.53	.83	.50	
53	15.0	-7.16	.46	-7.16	7.24	0.00	5.14	5.978E-03	2.532	2.362	1.495E-03	11.66	.80	.50	
54	15.0	-7.26	.36	-7.26	7.62	.31	5.48	3.994E-03	1.667	1.539	6.411E-04	10.98	.79	.50	.659
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	6.457E-04	.276	.255	1.762E-05	10.99	.79	.50	.109
56	15.0	-7.25	.37	-7.25	7.62	2.32	5.48	9.530E-06	.004	.004	3.841E-09	10.98	.79	.50	.002
57	15.0	-7.26	.36	-7.26	7.62	3.78	5.48	2.232E-05	.010	.009	2.105E-08	10.98	.79	.50	.004
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	1.850E-05	.008	.007	1.463E-08	10.98	.79	.50	.003
59	15.0	-7.25	.37	-7.25	7.62	5.62	5.48	9.966E-06	.004	.004	4.116E-09	10.98	.79	.50	.002
60	15.0	-7.35	0.00	-7.62	-7.14	.27	-8.87	2.916E-03	1.538	1.150	4.422E-04	9.79	.72	.50	.715
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.07	3.072E-04	.164	.121	4.982E-06	9.71	.71	.50	.076
62	15.0	-9.92	0.00	-7.62	-7.13	2.34	-8.86	6.437E-06	.003	.003	2.162E-09	9.79	.72	.50	.002
63	15.0	-11.29	0.00	-7.62	-7.19	3.71	-8.92	1.919E-05	.010	.007	1.733E-08	9.77	.71	.50	.004
64	15.0	-12.60	0.00	-7.62	-7.14	5.02	-8.87	1.041E-05	.006	.004	5.656E-09	9.79	.72	.50	.003
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	3.012E-06	.002	.001	4.736E-10	9.79	.72	.50	.001
66	15.0	-7.99	0.00	-7.62	-3.44	.36	-5.30	2.874E-03	1.265	1.136	3.593E-04	10.90	.79	.50	.639
67	15.0	-8.81	0.00	-7.62	-3.44	1.19	-5.30	2.356E-04	.104	.093	2.413E-06	10.90	.79	.50	.052
68	15.0	-10.08	0.00	-7.62	-3.45	2.44	-5.30	1.167E-05	.005	.005	5.924E-09	10.90	.79	.50	.003
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	9.359E-06	.004	.004	3.819E-09	10.89	.79	.50	.002
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	9.864E-06	.004	.004	4.252E-09	10.90	.79	.50	.002
71	15.0	-13.42	0.00	-7.62	-3.43	5.81	-5.26	1.684E-05	.006	.006	9.049E-09	10.91	.79	.50	.003
72	15.0	-8.17	0.00	-7.62	0.00	.38	-1.97	5.694E-06	.002	.002	1.240E-09	11.45	.82	.50	.001
73	15.0	-8.85	0.00	-7.62	0.00	1.15	-1.97	2.524E-04	.105	.104	2.730E-06	11.45	.82	.50	.057
74	15.0	-10.07	0.00	-7.62	0.00	2.37	-1.97	2.068E-05	.008	.008	1.598E-08	11.45	.82	.50	.004
75	15.0	-11.34	0.00	-7.62	0.00	3.70	-1.97	9.284E-06	.004	.004	3.417E-09	11.45	.82	.50	.002
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	1.175E-05	.005	.005	5.473E-09	11.45	.82	.50	.003
77	15.0	-13.48	0.00	-7.62	0.00	5.74	-1.97	3.937E-05	.016	.016	6.142E-08	11.45	.82	.50	.009
78	15.0	-8.34	0.00	-7.62	3.58	.39	1.50	3.187E-03	1.274	1.252	4.012E-04	11.53	.83	.50	.610
79	15.0	-8.82	0.00	-7.62	3.63	1.17	1.53	3.592E-04	.144	.142	5.096E-06	11.52	.83	.50	.069
80	15.0	-10.07	0.00	-7.62	3.61	2.42	1.51	2.347E-05	.009	.009	2.175E-09	11.53	.83	.50	.004
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	1.402E-05	.006	.006	7.757E-09	11.53	.83	.50	.003
82	15.0	-12.73	0.00	-7.62	3.58	5.08	1.48	1.227E-05	.005	.005	5.941E-09	11.53	.83	.50	.002
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	2.419E-05	.010	.010	2.311E-08	11.53	.83	.50	.005
84	15.0	-.80	0.00	-7.62	7.33	.31	5.11	5.149E-03	2.179	2.035	1.109E-03	11.06	.80	.50	.860
85	15.0	-4.59	0.00	-7.62	7.36	1.09	5.14	7.342E-04	.298	.278	2.075E-05	11.06	.80	.50	.118
86	15.0	-9.86	0.00	-7.62	7.36	2.36	5.14	1.475E-05	.006	.006	9.104E-09	11.06	.80	.50	.002
87	15.0	-11.75	0.00	-7.62	7.33	3.74	5.11	2.381E-05	.010	.009	2.370E-08	11.06	.80	.50	.004
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	1.558E-05	.007	.006	1.012E-08	11.06	.80	.50	.003
89	15.0	-13.15	0.00	-7.62	7.35	5.66	5.13	6.720E-06	.003	.003	1.889E-09	11.06	.80	.50	.001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH = 10.290 TT = 1.022E+03(K)
RX EQ6 = 3.201E-01 PI = 5.184E+06(N/M2)
RL EQ6 = 8.004E-02 T1 = +.020E+01(K)
RE/METER = 3.151E+06 P1 = 0.982E+02(N/M2)
HC = 2.554E+00(W/M2- K) (RHO V)1 = 1.018E+01(KG/M2-S)
TW = 296.9 (K) GAP = .229 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES:GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	6.883E-06	.003	.003	2.186E-09	10.56	.77	.50	.001
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	6.347E-06	.003	.003	1.860E-09	10.56	.77	.50	.001
11	30.0	0.00	7.62	0.00	-7.62	3.74	-6.60	1.106E-05	.005	.004	5.648E-09	10.56	.77	.50	.002
12	30.0	0.00	7.62	0.00	-7.62	2.36	-6.60	8.141E-06	.004	.003	3.059E-09	10.56	.77	.50	.002
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	2.825E-04	.132	.112	3.604E-06	10.56	.77	.50	.061
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	3.160E-03	1.477	1.249	4.609E-04	10.56	.77	.50	.681
15	30.0	0.00	7.62	0.00	-7.29	0.00	-6.32	4.707E-03	2.169	1.860	1.008E-03	10.64	.77	.50	
16	30.0	0.00	7.62	0.00	-3.63	0.00	-3.15	3.381E-03	1.381	1.336	4.609E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.119E-03	1.232	1.232	3.794E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	3.043E-03	1.237	1.202	3.715E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.254E-03	.909	.891	2.208E-04	10.79	.78	.50	
20	30.0	0.00	7.62	0.00	7.62	.41	6.60	2.414E-06	.001	.001	2.552E-10	10.71	.78	.50	.001
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.525E-04	.072	.064	1.156E-06	10.71	.78	.50	.073
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	2.395E-05	.011	.009	2.512E-08	10.71	.78	.50	.011
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	1.234E-05	.005	.005	6.662E-09	10.71	.78	.50	.006
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	9.002E-06	.004	.004	3.549E-09	10.71	.78	.50	.004
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	1.313E-05	.006	.005	7.543E-09	10.71	.78	.50	.006
26															
27	30.0	-3.80	3.82	-3.80	-7.62	5.04	-8.50	8.513E-06	.004	.003	3.792E-09	9.93	.72	.50	.002
28	30.0	-3.76	3.86	-3.76	-7.62	3.72	-8.48	1.344E-05	.007	.005	9.217E-09	9.93	.72	.50	.003
29	30.0	-3.81	3.81	-3.81	-7.62	2.44	-8.51	1.214E-06	.001	.000	7.541E-11	9.93	.72	.50	.000
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	2.245E-04	.116	.089	2.579E-06	9.92	.72	.50	.055
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	2.799E-03	1.452	1.106	4.012E-04	9.91	.72	.50	.603
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	4.106E-03	2.127	1.654	8.798E-04	10.05	.73	.50	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	3.193E-03	1.398	1.262	4.407E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	3.421E-03	1.373	1.352	4.636E-04	11.45	.82	.50	
35	30.0	-3.89	3.73	-3.89	3.59	0.00	1.17	3.685E-03	1.469	1.456	5.346E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	2.991E-03	1.246	1.182	3.681E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	1.117E-03	.468	.441	5.166E-05	11.14	.80	.50	.376
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	1.235E-04	.052	.049	6.317E-07	11.14	.80	.50	.042
39	30.0	-3.80	3.82	-3.80	7.62	2.35	4.70	8.548E-06	.004	.003	3.024E-09	11.14	.80	.50	.003
40	30.0	-3.90	3.82	-3.80	7.62	3.62	4.70	1.118E-05	.005	.004	5.172E-09	11.14	.80	.50	.004
41	30.0	-3.67	3.95	-3.67	7.62	5.04	4.77	1.831E-05	.008	.007	1.38[illegible]E-08	11.13	.80	.50	.006
42	30.0	-3.62	4.00	-3.62	7.62	5.68	4.79	9.586E-06	.004	.004	3.891E-09	11.13	.80	.50	.003
43	30.0	-7.35	.27	-7.35	-7.62	5.70	-10.27	1.790E-06	.001	.001	1.803E-10	9.20	.68	.50	.000
44	30.0	-7.33	.29	-7.33	-7.62	4.91	-10.26	4.349E-06	.002	.002	1.063E-09	9.21	.68	.50	.001
45	30.0	-7.32	.30	-7.32	-7.62	3.72	-10.26	7.139E-06	.004	.003	2.665E-09	9.21	.68	.50	.002
46	30.0	-7.36	.26	-7.36	-7.62	2.37	-10.28	2.573E-06	.002	.001	4.020E-10	9.20	.68	.50	.001
47	30.0	-7.35	.27	-7.35	-7.62	1.16	-10.27	2.277E-04	.130	.098	2.916E-06	9.20	.68	.50	.061

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

IH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	30.0	-7.26	.36	-7.26	-7.62	.33	-10.23	2.482E-03	1.411	.981	3.459E-04	9.22	.68	.50	.657
49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	3.833E-03	2.149	1.514	8.129E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	4.011E-03	1.900	1.585	7.524E-04	10.48	.76	.50	
51	30.0	-7.40	.22	-7.40	0.00	0.00	-3.70	4.357E-03	1.800	1.722	7.743E-04	11.22	.81	.50	
52	30.0	-7.58	.04	-7.58	3.58	0.00	-.69	5.548E-03	2.204	2.192	1.287E-03	11.54	.83	.50	
53	30.0	-7.16	.46	-7.16	7.24	0.00	2.69	5.935E-03	2.398	2.345	1.405E-03	11.43	.82	.50	
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	3.790E-03	1.538	1.498	5.755E-04	11.40	.82	.50	.641
55	30.0	-7.31	.32	-7.30	7.62	1.11	2.95	6.761E-04	.274	.267	1.830E-05	11.41	.82	.50	.114
56	30.0	-7.29	.37	-7.29	7.62	2.32	2.97	1.209E-05	.005	.005	5.855E-09	11.40	.82	.50	.002
57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	1.791E-05	.007	.007	1.284E-08	11.40	.82	.50	.003
58	30.0	-7.24	.38	-7.24	7.62	4.97	2.98	6.350E-06	.003	.003	1.719E-09	11.40	.82	.50	.001
59	30.0	-7.25	.37	-7.25	7.62	5.62	2.97	9.254E-06	.004	.004	3.431E-09	11.40	.82	.50	.002
60	30.0	-7.95	0.00	-7.62	-7.14	.27	-10.00	2.646E-03	1.486	1.046	3.884E-04	9.32	.69	.50	.692
61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	2.539E-04	.144	.100	3.608E-06	9.25	.68	.50	.067
62	30.0	-9.92	0.00	-7.62	-7.13	2.34	-9.98	7.833E-06	.004	.003	3.400E-09	9.33	.69	.50	.002
63	30.0	-11.29	0.00	-7.62	-7.19	3.71	-10.04	1.558E-05	.009	.007	1.527E-08	9.31	.68	.50	.004
64	30.0	-12.68	0.00	-7.62	-7.14	5.02	-9.99	9.075E-06	.005	.004	4.566E-09	9.33	.69	.50	.002
65	30.0	-13.22	0.00	-7.62	-7.14	5.63	-9.99	6.957E-06	.004	.003	2.684E-09	9.32	.69	.50	.002
66	30.0	-7.98	3.00	-7.62	-3.44	.36	-6.79	2.516E-03	1.188	.994	2.951E-04	10.50	.76	.50	.625
67	30.0	-8.91	0.00	-7.62	-3.44	1.19	-6.79	2.128E-04	.100	.084	2.111E-06	10.50	.76	.50	.053
68	30.0	-10.06	0.00	-7.62	-3.45	2.44	-6.80	1.762E-05	.008	.007	1.448E-08	10.50	.76	.50	.004
69	30.0	-11.35	0.00	-7.62	-3.50	3.74	-6.84	1.318E-05	.006	.005	8.117E-09	10.49	.76	.50	.003
70	30.0	-12.65	0.00	-7.62	-3.46	5.04	-6.81	7.192E-06	.003	.003	2.413E-09	10.50	.76	.50	.002
71	30.0	-13.42	0.00	-7.62	-3.40	5.81	-6.76	1.503E-05	.008	.006	1.195E-08	10.51	.76	.50	.004
72															
73	30.0	-8.65	0.00	-7.62	0.00	1.15	-3.81	2.486E-04	.103	.098	2.527E-06	11.21	.81	.50	.057
74	30.0	-10.07	0.00	-7.62	0.00	2.37	-3.81	1.517E-05	.007	.006	1.069E-08	11.21	.81	.50	.004
75	30.0	-11.40	0.00	-7.62	0.00	3.70	-3.81	1.834E-05	.008	.007	1.375E-08	11.21	.81	.50	.004
76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	9.440E-06	.004	.004	3.643E-09	11.21	.81	.50	.002
77	30.0	-13.43	0.00	-7.62	0.00	5.74	-3.81	4.471E-05	.019	.018	6.172E-08	11.21	.81	.50	.010
78	30.0	-8.04	0.00	-7.62	3.59	.38	-.70	3.381E-03	1.343	1.336	4.483E-04	11.54	.83	.50	.609
79	30.0	-8.82	0.00	-7.62	3.63	1.17	-.67	3.555E-04	.141	.140	4.955E-06	11.54	.83	.50	.064
80	30.0	-10.07	0.00	-7.62	3.60	2.42	-.69	8.737E-06	.003	.003	2.994E-09	11.54	.83	.50	.002
81	30.0	-11.41	0.00	-7.62	3.55	3.76	-.73	3.017E-05	.012	.012	3.571E-08	11.54	.83	.50	.005
82	30.0	-12.73	0.00	-7.62	3.58	5.09	-.71	1.132E-05	.004	.004	5.027E-09	11.54	.83	.50	.002
83	30.0	-13.44	0.00	-7.62	3.62	5.79	-.68	1.059E-05	.004	.004	4.395E-09	11.54	.83	.50	.002
84	30.0	-7.90	0.00	-7.62	7.33	.31	2.54	5.162E-03	2.080	2.040	1.060E-03	11.45	.82	.50	.868
85	30.0	-8.58	0.00	-7.62	7.36	1.09	2.56	7.005E-04	.282	.277	1.954E-05	11.45	.82	.58	.118
86	30.0	-9.96	0.00	-7.62	7.36	2.36	2.56	1.329E-05	.005	.005	7.025E-09	11.45	.82	.50	.002
87	30.0	-11.23	0.00	-7.62	7.33	3.74	2.54	2.135E-05	.009	.008	1.814E-08	11.45	.82	.50	.004
88	30.0	-12.52	0.00	-7.62	7.33	5.03	2.54	1.934E-05	.008	.008	1.483E-08	11.45	.82	.50	.003
89	30.0	-13.16	0.00	-7.62	7.35	5.66	2.56	4.238E-06	.002	.002	7.149E-10	11.45	.82	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MOAC-E RSI GAPS, RUN (104) 1973 PAGE 211

MACH = 10.298
PX E06 = 3.197E-01
RL E06 = 7.991E-02
RE/METER = 3.146E+06
HO = 2.554E+08(W/M2- K)
TW = 298.0 (K)
STEP = .254(CM)

TT = 1.023E+03(K)
PI = 5.185E+06(N/M2)
TI = 4.025E+01(K)
PI = 0.982E+02(N/M2)
(RHO V)1 = 1.017E+01(KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TAW/TT =1.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) TO.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.78	7.62	1.152E-06	.001	.000	5.036E-11	10.41	.76	.50	.000
10	0.0	0.00	7.62	0.00	7.62	5.83	7.62	1.771E-05	.000	.007	1.426E-08	10.41	.76	.50	.007
11	0.0	0.00	7.62	0.00	7.62	3.74	7.62	2.374E-05	.012	.010	3.012E-08	10.41	.76	.50	.009
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	1.814E-05	.008	.007	1.497E-08	10.41	.76	.50	.007
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	1.490E-04	.069	.059	1.010E-06	10.41	.76	.50	.055
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.438E-03	.662	.568	9.485E-05	10.41	.76	.50	.529
15	0.0	0.00	7.62	0.00	7.29	3.00	7.29	2.751E-03	1.251	1.087	3.400E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	3.252E-03	1.333	1.285	4.280E-04	11.32	.82	.50	
17	0.0	0.00	7.62	3.00	0.00	0.00	0.00	3.291E-03	1.398	1.308	4.227E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	3.243E-03	1.335	1.281	4.276E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	2.978E-03	1.440	1.177	4.235E-04	10.35	.75	.50	
20	0.0	0.00	7.62	0.00	-7.62	.41	-7.62	3.933E-14	.000	.000	7.515E-26	10.24	.74	.50	.000
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	1.543E-04	.076	.061	1.157E-06	10.24	.74	.50	.053
22	0.0	0.00	7.62	0.00	-7.62	2.39	-7.62	1.993E-05	.010	.008	1.930E-08	10.24	.74	.50	.007
23	0.0	0.00	7.62	0.00	-7.62	3.70	-7.62	4.925E-06	.002	.002	1.178E-09	10.24	.74	.50	.002
24	0.0	0.00	7.62	0.00	-7.62	5.07	-7.62	9.573E-06	.005	.004	4.453E-09	10.24	.74	.50	.003
25	0.0	0.00	7.62	0.00	-7.62	5.73	-7.62	1.178E-05	.006	.005	6.655E-09	10.24	.74	.50	.004
26	0.0	3.75	11.38	3.76	7.62	5.78	7.62	9.584E-06	.004	.004	4.176E-09	10.41	.76	.50	.003
27	0.0	3.80	11.42	3.80	7.62	5.04	7.62	1.515E-05	.007	.006	1.185E-08	10.41	.76	.50	.005
28	0.0	3.76	11.38	3.76	7.62	3.72	7.62	2.153E-05	.010	.009	2.108E-08	10.41	.76	.50	.007
29	0.0	3.91	11.43	3.81	7.62	2.44	7.62	2.330E-05	.011	.009	2.467E-08	10.41	.76	.50	.008
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	1.908E-04	.088	.075	1.655E-06	10.41	.76	.50	.063
31	0.0	3.87	11.49	3.87	7.62	.33	7.62	1.809E-03	.833	.715	1.488E-04	10.41	.76	.50	.597
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	3.074E-03	1.396	1.215	4.238E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.809E-03	1.152	1.110	3.197E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.841E-03	1.123	1.123	3.150E-04	11.56	.83	.50	
35	0.0	3.89	11.51	3.89	-3.59	0.00	-3.59	2.925E-03	1.206	1.156	3.483E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	3.117E-03	1.508	1.232	4.641E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	1.726E-03	.849	.682	1.447E-04	10.24	.74	.50	.563
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	1.483E-04	.073	.059	1.069E-06	10.24	.74	.50	.048
39	0.0	3.81	11.42	3.80	-7.62	2.35	-7.62	7.159E-06	.004	.003	2.490E-09	10.24	.74	.50	.002
40	0.0	3.81	11.42	3.80	-7.62	3.62	-7.62	5.720E-06	.003	.002	1.590E-09	10.24	.74	.50	.002
41	0.0	3.67	11.29	3.67	-7.62	5.04	-7.62	1.422E-05	.007	.006	9.818E-09	10.24	.74	.50	.005
42	0.0	3.62	11.24	3.62	-7.62	5.68	-7.62	4.825E-06	.002	.002	7.872E-10	10.24	.74	.50	.001
43	0.0	7.35	14.97	7.35	7.62	5.70	7.62	1.917E-06	.001	.001	1.670E-10	10.41	.76	.50	.001
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	7.355E-06	.003	.003	2.460E-09	10.41	.76	.50	.004
45	0.0	7.32	14.94	7.32	7.62	3.72	7.62	1.859E-05	.009	.007	1.571E-08	10.41	.76	.50	.009
46	0.0	7.36	14.98	7.36	7.62	2.37	7.62	2.190E-05	.010	.009	2.180E-08	10.41	.76	.50	.011

404

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

RGHT TEST (32), MDAC-E RSI GAPS, RUN (104) 1973

CH	GAMMA (DEG)	XSURF (CM)	YR (CM)	XC (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	7.35	14.97	7.35	7.62	1.15	7.62	2.051E-04	.094	.081	1.313E-06	10.41	.76	.50	.102
48	0.0	7.26	14.89	7.26	7.62	.33	7.62	1.244E-03	.573	.492	7.036E-05	10.41	.76	.50	.621
49	0.0	7.27	14.89	7.27	7.30	0.00	7.30	2.028E-03	.923	.831	1.048E-04	10.51	.76	.50	
50	0.0	7.33	14.95	7.33	3.69	0.00	3.69	1.575E-03	.687	.662	1.136E-04	11.31	.82	.50	
51	0.0	7.40	15.02	7.40	0.00	0.00	0.00	1.683E-03	.665	.665	1.106E-04	11.56	.83	.50	
52	0.0	7.58	15.20	7.58	-3.58	0.00	-3.58	1.797E-03	.740	.710	1.314E-04	11.24	.81	.50	
53	0.0	7.16	14.79	7.16	-7.24	1.00	-7.24	2.118E-03	1.023	.837	2.139E-04	10.36	.75	.50	.763
54	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	1.587E-03	.781	.627	1.223E-04	10.24	.74	.50	.111
55	0.0	7.31	14.92	7.30	-7.62	1.11	-7.62	2.311E-04	.114	.091	2.595E-06	10.24	.74	.50	.803
56	0.0	7.25	14.87	7.25	-7.62	2.32	-7.62	5.451E-06	.003	.002	1.444E-09	10.24	.74	.50	.004
57	0.0	7.26	14.88	7.26	-7.62	3.70	-7.62	8.709E-06	.004	.003	3.685E-09	10.24	.74	.50	.000
58	0.0	7.24	14.86	7.24	-7.62	4.97	-7.62	1.357E-07	.000	.000	8.953E-13	10.24	.74	.50	.001
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	2.536E-06	.001	.001	3.125E-10	10.24	.74	.50	.487
60	0.0	7.45	15.24	7.62	7.14	.27	7.14	9.929E-04	.449	.392	4.405E-05	10.56	.77	.50	.093
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	1.885E-04	.086	.074	1.599E-06	10.50	.76	.50	
62	0.0	9.92	15.24	7.62	7.13	2.34	7.13	2.872E-05	.013	.011	3.685E-08	10.56	.77	.50	.014
63	0.0	11.29	15.24	7.62	7.19	3.71	7.19	2.242E-05	.010	.009	2.250E-08	10.54	.77	.50	.011
64	0.0	12.62	15.24	7.62	7.14	5.02	7.14	1.943E-05	.008	.007	1.518E-08	10.56	.77	.50	.009
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	3.774E-06	.002	.001	6.363E-10	10.56	.77	.50	.002
66	0.0	7.39	15.24	7.62	3.44	.36	3.44	7.658E-04	.313	.303	2.373E-05	11.35	.82	.50	.456
67	0.0	9.91	15.24	7.62	3.44	1.19	3.44	1.999E-04	.092	.079	1.612E-06	11.35	.82	.50	.119
68	0.0	11.06	15.24	7.62	3.45	2.44	3.45	1.192E-05	.005	.005	5.731E-09	11.34	.82	.50	.007
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	1.123E-05	.005	.004	5.091E-09	11.34	.82	.50	.007
70	0.0	12.65	15.24	7.62	3.46	5.0.	3.46	9.318E-06	.004	.004	3.505E-09	11.34	.82	.50	.006
71	0.0	13.42	15.24	7.62	3.40	5.81	3.40	8.133E-06	.003	.003	2.668E-09	11.35	.82	.50	.005
72															
73	0.0	8.95	15.24	7.62	0.00	1.15	0.00	2.053E-04	.081	.081	1.645E-06	11.56	.83	.50	.122
74	0.0	10.17	15.24	7.62	0.00	2.37	0.00	1.115E-05	.004	.004	4.047E-09	11.56	.83	.50	.007
75	0.0	11.40	15.24	7.62	0.00	3.70	0.00	5.983E-06	.002	.002	1.397E-09	11.56	.83	.50	.004
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	7.656E-06	.003	.003	2.288E-09	11.56	.83	.50	.005
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	4.237E-05	.017	.017	7.006E-08	11.56	.83	.50	.025
78	0.0	8.04	15.24	7.62	-3.59	.38	-3.59	7.785E-04	.321	.308	2.467E-05	11.24	.81	.50	.433
79	0.0	8.82	15.24	7.62	-3.63	1.17	-3.63	1.816E-04	.075	.072	1.343E-06	11.24	.81	.50	.101
80															
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	7.909E-06	.003	.003	2.544E-09	11.25	.81	.50	.004
82	0.0	12.73	15.24	7.62	-3.58	5.08	-3.59	3.255E-06	.001	.001	4.313E-10	11.24	.81	.50	.002
83															
84	0.0	7.81	15.24	7.62	-7.33	.31	-7.33	1.177E-03	.571	.465	6.636E-05	10.33	.75	.50	.558
85	0.0	8.58	15.24	7.62	-7.36	1.09	-7.36	1.552E-04	.076	.062	1.171E-06	10.32	.75	.50	.074
86	0.0	9.96	15.24	7.62	-7.36	2.36	-7.36	1.245E-05	.006	.005	7.435E-09	10.32	.75	.50	.006
87	0.0	11.23	15.24	7.62	-7.33	3.74	-7.33	3.836E-06	.002	.002	7.050E-10	10.33	.75	.50	.002
88	0.0	12.52	15.24	7.62	-7.33	5.03	-7.33	2.716E-06	.001	.001	3.533E-10	10.33	.75	.50	.001
89															

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (32), MOD C-F PSI GAPS, RUN (105) 1973 PAGE 213

MACH = 10.290
RY EDR = 3.192E-01
RL EDR = 7.979E-02
RE/METER = 3.141E+06
HO = 2.554E+00(W/M2- K)
TW = 295.8 (K)
STEP = .254(CM)

TT = 1.023E+03(K)
PI = 5.185E+06(N/M2)
T1 = 4.828E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.017E+01(KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	2.548E-05	.012	.010	2.946E-08	10.43	.76	.50	.011
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	1.848E-05	.008	.007	1.550E-08	10.43	.76	.50	.008
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	3.257E-05	.015	.013	4.814E-08	10.43	.76	.50	.014
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	2.979E-05	.014	.012	4.027E-08	10.43	.76	.50	.013
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	1.430E-04	.066	.057	9.283E-07	10.43	.76	.50	.060
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.163E-03	.534	.460	6.141E-05	10.43	.76	.50	.491
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.395E-03	1.087	.946	2.572E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	3.244E-03	1.329	1.282	4.260E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.312E-03	1.309	1.309	4.283E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	0.00	-3.51	3.225E-03	1.327	1.274	4.230E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	3.551E-03	1.712	1.403	6.086E-04	10.37	.75	.50	
20															
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	1.767E-04	.087	.070	1.513E-06	10.26	.75	.50	.051
22	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	3.119E-05	.015	.012	4.714E-08	10.26	.75	.50	.009
23	7.5	0.00	7.62	0.00	-7.62	3.70	-7.55	1.594E-05	.008	.007	1.391E-08	10.26	.75	.50	.005
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	2.140E-05	.010	.008	2.220E-08	10.26	.75	.50	.006
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	1.014E-05	.005	.004	4.982E-09	10.26	.75	.50	.003
26	7.5	3.76	11.38	3.76	7.62	5.70	8.05	6.454E-06	.003	.003	1.947E-09	10.28	.75	.50	.003
27	7.5	3.80	11.42	3.80	7.62	5.04	8.05	1.374E-05	.007	.006	1.153E-08	10.28	.75	.50	.007
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	2.319E-05	.011	.009	2.513E-08	10.28	.75	.50	.010
29	7.5	3.81	11.43	3.81	7.62	2.44	8.05	2.121E-05	.010	.008	2.102E-08	10.28	.75	.50	.009
30	7.5	3.83	11.45	3.83	7.62	1.16	8.05	1.454E-04	.069	.057	9.880E-07	10.27	.75	.50	.060
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.305E-03	.618	.516	7.964E-05	10.27	.75	.50	.541
32	7.5	3.79	11.41	3.79	7.24	0.00	7.67	2.469E-03	1.141	.976	2.784E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.752E-03	1.141	1.087	3.102E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.829E-03	1.122	1.118	3.138E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	3.034E-03	1.236	1.199	3.707E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	4.137E-03	1.946	1.635	7.957E-04	10.52	.76	.50	
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	2.410E-03	1.153	.952	2.748E-04	10.42	.76	.50	.593
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	1.710E-04	.082	.068	1.384E-06	10.42	.76	.50	.042
39	7.5	3.80	11.42	3.80	-7.62	2.35	-7.06	2.250E-06	.001	.001	2.394E-10	10.42	.76	.50	.001
40	7.5	3.80	11.42	3.80	-7.62	3.62	-7.06	2.419E-05	.012	.010	2.768E-08	10.42	.76	.50	.006
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.08	2.755E-06	.001	.001	3.617E-10	10.41	.76	.50	.001
42	7.5	3.62	11.24	3.62	-7.62	5.68	-7.08	4.510E-06	.002	.002	9.632E-10	10.41	.76	.50	.001
43	7.5	7.35	14.97	7.35	7.62	5.70	8.51	1.038E-05	.005	.004	5.185E-09	10.12	.74	.50	.003
44	7.5	7.33	14.95	7.33	7.62	4.91	8.51	2.439E-05	.012	.010	2.861E-08	10.12	.74	.50	.015
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	2.292E-05	.011	.009	2.525E-08	10.12	.74	.50	.017
46	7.5	7.30	14.93	7.30	7.62	2.37	8.51	2.704E-05	.013	.011	3.516E-08	10.12	.74	.50	.020

406

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CH	GAMMA (DEG)	YSURF (CM)	YB (CM)	YF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	7.35	14.97	7.35	7.62	1.16	8.51	1.733E-04	.084	.068	1.444E-06	10.12	.74	.50	.131
48	7.5	7.26	14.88	7.26	7.62	.33	8.50	7.292E-04	.355	.280	2.555E-05	10.12	.74	.50	.549
49	7.5	7.27	14.89	7.27	7.30	0.00	8.19	1.353E-03	.645	.535	8.627E-05	10.23	.75	.50	
50	7.5	7.33	14.95	7.33	3.69	0.00	4.61	1.617E-03	.676	.639	1.081E-04	11.16	.81	.50	
51	7.5	7.40	15.02	7.40	0.00	0.00	.97	1.598E-03	.676	.671	1.135E-04	11.55	.83	.50	
52	7.5	7.58	15.21	7.58	-3.58	0.00	-2.56	1.969E-03	.794	.778	1.545E-04	11.39	.82	.50	
53	7.5	7.16	14.78	7.16	-7.24	0.00	-6.25	3.170E-03	1.456	1.253	4.563E-04	10.66	.77	.50	
54	7.5	7.26	14.88	7.26	-7.62	.31	-6.61	2.427E-03	1.135	.959	2.722E-04	10.56	.77	.50	.779
55	7.5	7.31	14.92	7.30	-7.62	1.11	-6.60	2.872E-04	.134	.113	3.811E-06	10.56	.77	.50	.092
56	7.5	7.25	14.97	7.25	-7.62	2.32	-6.61	1.519E-05	.007	.006	1.066E-08	10.56	.77	.50	.005
57	7.5	7.26	14.88	7.26	-7.62	3.70	-6.61	9.302E-06	.004	.004	4.000E-09	10.56	.77	.50	.003
58	7.5	7.24	14.96	7.24	-7.62	4.97	-6.61	7.513E-06	.004	.003	2.609E-09	10.55	.77	.50	.002
59	7.5	7.25	14.87	7.25	-7.62	5.62	-6.61	1.288E-05	.006	.005	7.664E-09	10.55	.77	.50	.004
60	7.5	7.85	15.24	7.62	7.14	.27	8.08	6.166E-04	.292	.244	1.780E-05	10.27	.75	.50	.453
61	7.5	8.75	15.24	7.62	7.35	1.17	8.28	1.867E-04	.087	.071	1.548E-06	10.20	.75	.50	.134
62	7.5	9.92	15.24	7.62	7.13	2.34	8.06	2.824E-05	.013	.011	3.729E-08	10.27	.75	.50	.021
63	7.5	11.23	15.24	7.62	7.19	3.71	8.12	1.878E-05	.009	.007	1.656E-08	10.25	.75	.50	.014
64	7.5	12.60	15.24	7.62	7.14	5.02	8.07	1.219E-05	.006	.005	6.956E-09	10.27	.75	.50	.009
65	7.5	13.22	15.24	7.62	7.14	5.63	8.07	9.886E-06	.005	.004	4.575E-09	10.27	.75	.50	.007
66	7.5	7.99	15.24	7.62	3.44	.36	4.41	7.437E-04	.310	.294	2.277E-05	11.20	.81	.50	.458
67	7.5	8.81	15.24	7.62	3.44	1.19	4.41	2.057E-04	.086	.081	1.742E-06	11.20	.81	.50	.127
68	7.5	10.16	15.24	7.62	3.45	2.44	4.41	1.708E-05	.007	.007	1.201E-08	11.19	.81	.50	.011
69	7.5	11.35	15.24	7.62	3.50	3.74	4.46	1.912E-05	.008	.008	1.506E-08	11.19	.81	.50	.012
70	7.5	12.65	15.24	7.62	3.46	5.04	4.43	7.258E-05	.003	.003	2.175E-09	11.19	.81	.50	.004
71	7.5	13.42	15.24	7.62	3.40	5.81	4.37	6.951E-06	.003	.003	1.987E-09	11.20	.81	.50	.004
72															
73	7.5	8.85	15.24	7.62	0.00	1.15	.99	2.058E-04	.082	.081	1.667E-06	11.55	.83	.50	.121
74	7.5	10.37	15.24	7.62	0.00	2.37	.99	1.656E-05	.007	.007	1.079E-08	11.55	.83	.50	.010
75	7.5	11.49	15.24	7.62	0.00	3.70	.99	2.002E-05	.008	.008	1.577E-08	11.55	.83	.50	.012
76	7.5	12.69	15.24	7.62	0.00	4.99	.99	8.033E-06	.003	.003	2.540E-09	11.55	.83	.50	.005
77	7.5	13.43	15.24	7.62	0.00	5.74	.99	5.322E-05	.021	.021	1.115E-07	11.55	.83	.50	.031
78	7.5	8.04	15.24	7.62	-3.59	.38	-2.57	8.114E-04	.327	.321	2.624E-05	11.39	.82	.50	.412
79	7.5	8.92	15.24	7.62	-3.63	1.17	-2.60	1.755E-04	.071	.069	1.228E-06	11.38	.82	.50	.089
80	7.5	10.27	15.24	7.62	-3.60	2.42	-2.58	7.620E-06	.003	.003	2.315E-09	11.39	.82	.50	.004
81	7.5	11.41	15.24	7.62	-3.55	3.76	-2.53	2.752E-07	.000	.000	3.017E-12	11.39	.82	.50	.000
82	7.5	12.73	15.24	7.62	-3.59	5.08	-2.55	5.589E-06	.002	.002	1.290E-09	11.39	.82	.50	.003
83	7.5	13.44	15.24	7.62	-3.62	5.79	-2.59	8.914E-06	.004	.004	3.163E-09	11.38	.82	.50	.005
84	7.5	7.91	15.24	7.62	-7.33	.31	-6.27	1.756E-03	.808	.694	1.402E-04	10.65	.77	.50	.555
85	7.5	8.58	15.24	7.62	-7.36	1.09	-6.30	1.629E-04	.075	.064	1.204E-06	10.64	.77	.50	.052
86	7.5	9.85	15.24	7.62	-7.36	2.36	-6.30	3.264E-06	.002	.001	4.847E-10	10.64	.77	.50	.001
87	7.5	11.23	15.24	7.62	-7.33	3.74	-6.27	1.184E-05	.005	.005	5.370E-09	10.65	.77	.50	.004
88															
89	7.5	13.16	15.24	7.62	-7.35	5.66	-6.29	9.892E-06	.005	.004	4.452E-09	10.64	.77	.50	.003

407

FFHT TEST (92), MD8C-F RSI GAPS, RUN (106) 1973 PAGE 215

MACH = 10.290
PX EDE = 3.345E-01
PL EDS = 9.363E-02
PE/METER = 3.292E+06
HO = 2.554E+00(W/M2- K)
TW = 295.8 (K)
STEP = .254(CM)

TT = 9.990E+02(K)
PI = 5.184E+06(N/M2)
T1 = 4.704E+01(K)
P1 = 0.985E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .229 (CM)
CONF = IN-L

TAW/TT =0.89F FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	1.053E-05	.008	.007	1.523E-08	10.49	.76	.50	.009
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	9.709E-06	.004	.004	4.179E-09	10.49	.76	.50	.005
11	15.0	0.00	7.62	0.00	7.62	3.74	7.36	1.186E-05	.005	.005	6.236E-09	10.49	.76	.50	.006
12	15.0	0.00	7.62	0.00	7.62	2.36	7.36	4.316E-05	.020	.017	8.259E-08	10.49	.76	.50	.020
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	1.355E-04	.062	.054	8.266E-07	10.49	.76	.50	.064
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	1.008E-03	.459	.398	4.581E-05	10.49	.76	.50	.469
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	2.171E-03	.979	.858	2.066E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	3.152E-03	1.290	1.246	3.953E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.194E-03	1.262	1.262	3.920E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.54	0.00	-3.42	3.112E-03	1.278	1.230	3.867E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	3.952E-03	1.808	1.562	7.253E-04	10.43	.76	.50	
20															
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	1.384E-04	.096	.078	1.859E-06	10.32	.75	.50	.851
22	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	1.132E-05	.005	.004	6.053E-09	10.32	.75	.50	.003
23	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	1.962E-05	.009	.008	1.709E-08	10.32	.75	.50	.005
24	15.0	0.00	7.62	0.00	-7.62	5.67	-7.36	2.224E-05	.011	.009	2.336E-08	10.32	.75	.50	.006
25															
26	15.0	7.76	11.39	3.76	7.62	5.70	8.33	9.578E-06	.005	.004	4.376E-09	10.18	.74	.50	.005
27	15.0	3.81	11.42	3.80	7.62	5.04	8.34	2.073E-05	.010	.008	2.012E-08	10.18	.74	.50	.010
28	15.0	3.76	11.38	3.76	7.62	3.72	8.33	2.049E-05	.010	.008	1.964E-08	10.18	.74	.50	.010
29	15.0	3.81	11.43	3.81	7.62	2.44	8.35	2.545E-05	.012	.010	3.034E-08	10.18	.74	.50	.012
30	15.0	3.83	11.45	3.83	7.62	1.15	8.35	1.212E-04	.058	.048	6.884E-07	10.17	.74	.50	.059
31	15.0	3.87	11.49	3.87	7.62	.33	8.36	1.051E-03	.507	.415	5.178E-05	10.17	.74	.50	.510
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	2.111E-03	.994	.834	2.040E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.524E-03	1.098	1.037	2.881E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.731E-03	1.088	1.079	2.888E-04	11.55	.83	.50	
35	15.0	3.93	11.51	3.89	-3.59	0.00	-2.46	3.070E-03	1.237	1.213	3.691E-04	11.48	.82	.50	
36	15.0	3.74	11.36	3.74	-7.28	0.00	-6.06	4.883E-03	2.225	1.929	1.056E-03	10.71	.78	.50	
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	2.957E-03	1.367	1.169	3.930E-04	10.62	.77	.50	.614
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	1.874E-04	.087	.074	1.580E-06	10.62	.77	.50	.039
39															
40	15.0	3.33	11.42	3.90	-7.62	3.62	-6.38	4.350E-06	.002	.002	8.543E-10	10.62	.77	.50	.001
41	15.0	3.67	11.29	3.67	-7.62	5.04	-6.41	3.978E-06	.002	.002	7.124E-10	10.61	.77	.50	.001
42															
43	15.0	7.75	14.97	7.35	7.62	5.70	9.26	1.149E-05	.006	.005	6.528E-09	9.85	.72	.50	.012
44	15.0	7.33	14.95	7.33	7.62	4.91	9.26	1.261E-05	.006	.005	7.855E-09	9.85	.72	.50	.013
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	1.210E-05	.006	.005	7.240E-09	9.85	.72	.50	.012
46	15.0	7.36	14.94	7.36	7.62	2.37	9.26	1.713E-05	.009	.007	1.450E-08	9.84	.72	.50	.017
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	1.577E-04	.080	.062	1.230E-06	9.85	.72	.50	.161

408

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CM	GAMMA (DEG)	XTOP (CM)	XB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOZ (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	15.0	7.26	14.88	7.26	7.62	.33	9.24	4.812E-04	.244	.190	1.144E-05	9.85	.72	.50	.489
49	15.0	7.27	14.89	7.27	7.30	0.00	8.93	1.001E-03	.500	.396	4.865E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.566E-03	.670	.619	1.020E-04	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.594E-03	.680	.670	1.120E-04	11.50	.83	.50	
52	15.0	7.58	15.20	7.58	-3.58	0.00	-1.50	2.141E-03	.856	.846	1.782E-04	11.49	.83	.50	
53	15.0	7.16	14.78	7.16	-7.24	0.00	-5.14	4.085E-03	1.706	1.614	7.092E-04	10.94	.79	.50	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.48	3.195E-03	1.418	1.262	4.405E-04	10.86	.78	.53	.794
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	3.549E-04	.162	.144	5.745E-06	10.86	.78	.50	.091
56	15.0	7.25	14.87	7.25	-7.62	2.32	-5.48	8.941E-06	.003	.003	2.080E-09	10.86	.78	.50	.002
57	15.0	7.26	14.88	7.26	-7.62	3.70	-5.48	5.014E-06	.002	.002	1.085E-09	10.86	.78	.50	.001
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	1.236E-05	.005	.005	6.600E-09	10.86	.78	.50	.003
59	15.0	7.25	14.87	7.25	-7.62	5.62	-5.48	1.559E-05	.007	.005	1.049E-08	10.86	.78	.50	.004
60	15.0	7.25	15.24	7.62	7.14	.27	9.87	4.155E-04	.207	.164	8.342E-06	9.99	.73	.50	.413
61	15.0	9.75	15.24	7.62	7.35	1.17	9.07	1.716E-04	.086	.068	1.439E-06	9.92	.73	.50	.173
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	2.818E-05	.014	.011	3.833E-08	10.00	.73	.50	.028
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	1.568E-05	.008	.006	1.191E-08	9.97	.73	.50	.016
64	15.0	12.62	15.24	7.62	7.14	5.02	8.87	2.366E-05	.012	.009	2.703E-08	9.99	.73	.50	.024
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	1.519E-05	.008	.006	1.115E-08	9.99	.73	.50	.015
66	15.0	7.99	15.24	7.62	3.44	.36	5.30	7.158E-04	.355	.293	2.126E-05	11.02	.80	.50	.455
67	15.0	8.91	15.24	7.62	3.44	1.19	5.30	1.850E-04	.079	.073	1.416E-06	11.02	.80	.50	
68	15.0	10.38	15.24	7.62	3.45	2.44	5.30	2.908E-05	.012	.011	3.500E-08	11.02	.80	.50	.014
69	15.0	11.35	15.24	7.62	3.50	3.74	5.35	9.276E-06	.004	.004	3.567E-09	11.01	.80	.50	.006
70	15.0	12.62	15.24	7.62	3.46	5.04	5.32	5.537E-06	.002	.002	1.270E-09	11.02	.80	.50	.004
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	8.833E-06	.004	.003	3.225E-09	11.03	.80	.50	.006
72	15.0	8.17	15.24	7.62	0.00	.38	1.97	1.229E-05	.005	.005	5.690E-09	11.50	.83	.51	.007
73	15.0	8.85	15.24	7.62	0.00	1.15	1.97	1.951E-04	.078	.077	1.485E-06	11.50	.83	.50	.115
74	15.0	10.07	15.24	7.62	0.00	2.37	1.97	3.577E-06	.001	.001	5.276E-10	11.50	.83	.50	.002
75	15.0	11.40	15.24	7.62	0.00	3.70	1.97	9.994E-06	.004	.004	3.896E-09	11.50	.83	.50	.005
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	8.255E-06	.003	.003	2.659E-09	11.50	.83	.50	.005
77	15.0	13.43	15.24	7.62	0.00	5.74	1.97	4.461E-05	.018	.018	7.761E-08	11.50	.83	.50	.026
78	15.0	9.04	15.24	7.62	-3.59	.39	-1.50	8.721E-04	.349	.345	2.956E-05	11.49	.83	.50	.407
79	15.0	9.82	15.24	7.62	-3.63	1.17	-1.53	1.775E-04	.071	.070	1.225E-06	11.49	.83	.50	.083
80	15.0	10.97	15.24	7.62	-3.60	2.42	-1.51	1.056E-05	.004	.004	4.332E-09	11.49	.83	.50	.005
81	15.0	11.41	15.24	7.62	-3.55	3.76	-1.46	8.236E-06	.002	.002	1.611E-09	11.50	.83	.50	.003
82	15.0	12.73	15.24	7.62	-3.59	5.08	-1.49	5.495E-06	.002	.002	1.174E-09	11.49	.83	.50	.003
83	15.0	13.44	15.24	7.62	-3.62	5.79	-1.52	3.109E-06	.001	.001	3.759E-10	11.49	.83	.50	.001
84	15.0	7.90	15.24	7.62	-7.33	.31	-5.11	2.294E-03	1.001	.906	2.232E-04	10.94	.79	.50	.561
85	15.0	8.58	15.24	7.62	-7.36	1.09	-5.14	1.902E-04	.083	.075	1.537E-06	10.94	.79	.50	.047
86	15.0	9.86	15.24	7.62	-7.36	2.36	-5.14	1.629E-05	.009	.007	1.421E-08	10.94	.79	.50	.004
87	15.0	11.23	15.24	7.62	-7.33	3.74	-5.11	3.969E-06	.002	.002	6.759E-10	10.94	.79	.50	.001
88	15.0	12.52	15.24	7.62	-7.33	5.03	-5.11	6.258E-06	.003	.002	1.662E-09	10.94	.79	.50	.002
89	15.0	13.16	15.24	7.62	-7.35	5.65	-5.13	4.911E-06	.002	.002	1.024E-09	10.94	.79	.50	.001

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.293 TT = 9.952E+02(K)
RY EDF = 3.367E-01 PI = 5.187E+06(N/M2)
PL EDG = 8.+16F-02 T1 = 4.690E+01(K)
PE/METER = 3.314E+06 P1 = 0.986E+02(N/M2)
HO = 2.554E+00(M/M2- K) (RHO V)1 = 1.036E+01(KG/M2-S)
TW = 296.4 (K) GAP = .229 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.) OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	7.62	5.70	6.60	1.208E-05	.005	.005	5.275E-09	10.71	.78	.50	.006
10	30.0	0.01	7.62	0.00	7.62	5.03	6.60	2.627E-05	.012	.010	2.969E-08	10.71	.78	.50	.014
11	30.0	0.01	7.62	0.00	7.62	3.74	6.60	3.217E-05	.014	.013	4.458E-08	10.71	.78	.50	.017
12	30.0	0.00	7.62	0.00	7.62	2.36	6.60	2.951E-05	.013	.012	3.746E-08	10.71	.78	.50	.015
13	30.0	0.01	7.62	0.00	7.62	1.14	6.60	1.394E-04	.062	.055	8.361E-07	10.71	.78	.50	.072
14	30.0	0.00	7.62	0.00	7.62	.33	6.60	8.273E-04	.367	.327	2.943E-05	10.71	.78	.50	.428
15	30.0	0.00	7.62	0.00	7.29	0.00	6.32	1.953E-03	.857	.772	1.623E-04	10.78	.78	.50	
16	30.0	0.00	7.62	0.00	3.63	0.00	3.15	3.070E-03	1.249	1.213	3.717E-04	11.38	.82	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.115E-03	1.231	1.231	3.717E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	-3.54	0.00	-3.07	3.255E-03	1.331	1.290	4.214E-04	11.32	.81	.50	
19	30.0	0.01	7.62	0.00	-7.27	0.00	-6.29	4.845E-03	2.230	1.914	1.048E-03	10.64	.77	.50	
20	30.0	0.00	7.62	0.00	-7.62	.41	-6.60	2.520E-06	.001	.001	2.878E-10	10.56	.77	.50	.001
21	30.0	0.00	7.62	0.00	-7.62	1.17	-6.60	3.002E-04	.140	.119	4.086E-06	10.56	.77	.50	.063
22	30.0	0.00	7.62	0.00	-7.62	2.39	-6.60	1.369E-05	.006	.005	8.498E-09	10.56	.77	.50	.003
23	30.0	0.00	7.62	0.00	-7.62	3.70	-6.60	1.076E-05	.005	.004	5.248E-09	10.56	.77	.50	.002
24	30.0	0.01	7.62	0.00	-7.62	5.07	-6.60	1.976E-05	.009	.007	1.595E-08	10.56	.77	.50	.004
25	30.0	0.00	7.62	0.00	-7.62	5.73	-6.60	2.582E-05	.012	.010	3.022E-08	10.56	.77	.50	.005
26	30.0	3.75	11.38	3.76	7.62	5.70	8.48	9.219E-06	.004	.004	4.002E-09	10.13	.74	.50	.006
27	30.0	3.80	11.42	3.80	7.62	5.04	8.50	1.199E-05	.006	.005	6.773E-09	10.12	.74	.50	.007
28	30.0	3.75	11.38	3.75	7.62	3.72	8.48	7.586E-06	.004	.003	2.711E-09	10.13	.74	.50	.005
29	30.0	3.81	11.43	3.81	7.62	2.44	8.51	2.165E-05	.011	.009	2.211E-08	10.12	.74	.53	.013
30	30.0	3.83	11.45	3.83	7.62	1.16	8.51	1.346E-04	.065	.053	8.545E-07	10.12	.74	.50	.081
31	30.0	3.87	11.49	3.87	7.62	.33	8.53	7.771E-04	.379	.307	2.853E-05	10.11	.74	.50	.467
32	30.0	3.79	11.41	3.79	7.24	0.00	8.17	1.703E-03	.811	.673	1.339E-04	10.24	.75	.50	
33	30.0	3.92	11.54	3.92	3.71	0.00	5.17	2.603E-03	1.104	1.028	2.785E-04	11.05	.80	.50	
34	30.0	3.95	11.57	3.95	0.00	0.00	1.98	2.717E-03	1.090	1.074	2.873E-04	11.58	.83	.50	
35	30.0	3.89	11.51	3.89	-3.59	0.00	-1.17	3.410E-03	1.360	1.347	4.496E-04	11.51	.83	.50	
36	30.0	3.74	11.36	3.74	-7.28	0.00	-4.43	6.346E-03	2.693	2.505	1.655E-03	11.09	.80	.50	
37	30.0	3.79	11.41	3.79	-7.62	.37	-4.70	4.014E-03	1.724	1.586	6.708E-04	11.03	.80	.50	.640
38	30.0	3.74	11.36	3.74	-7.62	1.15	-4.73	2.668E-04	.115	.105	2.967E-06	11.03	.80	.50	.043
39	30.0	3.81	11.42	3.80	-7.62	2.35	-4.70	2.511E-05	.011	.010	2.839E-08	11.03	.80	.50	.004
40	30.0	3.80	11.42	3.81	-7.62	3.62	-4.76	1.157E-05	.005	.005	5.673E-09	11.03	.80	.50	.002
41	30.0	3.67	11.29	3.67	-7.62	5.04	-4.77	9.961E-06	.004	.004	4.142E-09	11.02	.80	.50	.002
42	30.0	3.62	11.24	3.62	-7.62	5.68	-4.79	1.276E-05	.005	.005	6.805E-09	11.02	.79	.50	.002
43	30.0	7.35	14.97	7.35	7.62	5.70	10.27	2.591E-06	.001	.001	3.504E-10	9.44	.70	.50	.003
44	30.0	7.33	14.95	7.33	7.62	4.91	10.26	1.118E-05	.006	.004	6.520E-09	9.44	.79	.50	.015
45	30.0	7.32	14.94	7.32	7.62	3.72	10.26	1.703E-05	.009	.007	1.512E-08	9.45	.70	.50	.023
46	30.0	7.36	14.98	7.36	7.62	2.37	10.28	2.044E-05	.015	.011	4.222E-08	9.44	.70	.50	.030

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), MOAC-E RSI GAPS, RUN (107) 1973

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XT (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-T HK (CM)	SUB-L (CM)	H./HE
47	30.0	7.35	14.97	7.35	7.62	1.16	10.27	1.558E-04	.004	.062	1.267E-06	9.44	.70	.50	.207
48	30.0	7.26	14.98	7.26	7.62	.33	10.23	3.060E-04	.164	.121	4.876E-06	9.46	.70	.50	.407
49	30.0	7.27	14.89	7.27	7.30	0.00	9.96	7.641E-04	.404	.302	2.994E-05	9.57	.70	.50	
50	30.0	7.33	14.95	7.33	3.69	0.00	6.86	1.576E-03	.706	.623	1.079E-04	10.64	.77	.50	
51	30.0	7.40	15.02	7.40	0.00	0.00	3.70	1.840E-03	.755	.727	1.347E-04	11.31	.82	.50	
52	30.0	7.58	15.20	7.58	-3.58	0.00	.69	2.599E-03	1.032	1.027	2.602E-04	11.55	.83	.50	
53	30.0	7.16	14.78	7.16	-7.24	0.00	-2.69	5.749E-03	2.325	2.272	1.296E-03	11.37	.82	.50	
54	30.0	7.26	14.88	7.26	-7.62	.31	-2.97	4.549E-03	1.891	1.837	8.525E-04	11.34	.82	.50	.813
55	30.0	7.30	14.92	7.30	-7.62	1.11	-2.95	6.128E-04	.249	.242	1.481E-05	11.34	.82	.50	.107
56	30.0	7.25	14.87	7.25	-7.62	2.32	-2.97	7.998E-06	.003	.003	2.523E-09	11.34	.82	.50	.001
57	30.0	7.26	14.88	7.26	-7.62	3.70	-2.97	2.267E-05	.009	.009	2.029E-08	11.34	.82	.50	.004
58	30.0	7.24	14.86	7.24	-7.62	4.97	-2.98	1.473E-05	.006	.006	8.561E-09	11.33	.82	.50	.003
59	30.0	7.25	14.87	7.25	-7.62	5.62	-2.97	1.859E-06	.001	.001	1.363E-10	11.34	.82	.50	.000
60	30.0	7.85	15.24	7.62	7.14	.27	10.00	2.905E-04	.154	.115	4.337E-06	9.55	.70	.50	.381
61	30.0	8.75	15.24	7.62	7.35	1.17	10.17	1.641E-04	.088	.065	1.397E-06	9.43	.70	.50	.217
62	30.0	9.92	15.24	7.62	7.13	2.34	9.98	2.956E-05	.016	.012	4.489E-08	9.56	.70	.50	.039
63	30.0	11.29	15.24	7.62	7.19	3.71	10.04	1.537E-05	.009	.006	1.381E-08	9.54	.70	.50	.022
64	30.0	12.60	15.24	7.62	7.14	5.02	9.99	4.349E-07	.000	.000	1.259E-11	9.56	.70	.50	.001
65	30.0	13.22	15.24	7.62	7.14	5.63	9.99	3.932E-06	.002	.002	7.944E-10	9.56	.70	.50	.005
66	30.0	7.39	15.24	7.62	3.44	.36	6.79	7.124E-04	.318	.282	2.198E-05	10.66	.77	.50	.451
67	30.0	8.91	15.24	7.62	3.44	1.19	6.79	1.611E-04	.072	.064	1.125E-06	10.66	.77	.50	.182
68	30.0	10.36	15.24	7.62	3.45	2.44	6.80	1.735E-05	.008	.007	1.305E-08	10.66	.77	.50	.811
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	9.949E-06	.004	.004	4.295E-09	10.64	.77	.50	.006
70	30.0	12.65	15.24	7.62	3.46	5.04	6.81	1.113E-05	.005	.004	5.365E-09	10.65	.77	.50	.007
71															
72															
73	30.0	8.85	15.24	7.62	0.00	1.15	3.81	1.510E-04	.062	.060	9.080E-07	11.29	.81	.50	.082
74	30.0	10.17	15.24	7.62	0.00	2.37	3.81	3.397E-06	.001	.001	4.598E-10	11.29	.81	.50	.002
75	30.0	11.40	15.24	7.62	0.00	3.70	3.81	2.104E-05	.009	.008	1.765E-08	11.29	.81	.50	.011
76	30.0	12.69	15.24	7.62	0.00	4.99	3.81	5.572E-06	.002	.002	1.202E-09	11.29	.81	.50	.003
77	30.0	13.47	15.24	7.62	0.00	5.74	3.81	4.188E-05	.017	.017	6.989E-08	11.29	.81	.50	.023
78	30.0	8.44	15.24	7.62	-3.59	.35	.70	1.029E-03	.409	.407	4.080E-05	11.55	.83	.50	.396
79	30.0	9.92	15.24	7.62	-3.63	1.17	.67	1.365E-04	.054	.054	7.174E-07	11.56	.83	.50	.053
80	30.0	11.07	15.24	7.62	-3.60	2.42	.69	5.432E-06	.002	.002	1.137E-09	11.55	.83	.50	.002
81	30.0	11.41	15.24	7.62	-3.55	3.76	.73	4.565E-06	.002	.002	8.031E-10	11.55	.83	.50	.002
82	30.0	12.73	15.24	7.62	-3.58	5.08	.71	1.325E-05	.005	.005	6.760E-09	11.55	.83	.50	.005
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	9.948E-06	.004	.004	3.812E-09	11.56	.83	.50	.004
84	30.0	7.81	15.24	7.62	-7.33	.31	-2.54	3.467E-03	1.398	1.378	4.699E-04	11.39	.82	.50	.601
85	30.0	8.58	15.24	7.62	-7.35	1.09	-2.56	3.340E-04	.135	.132	4.362E-06	11.39	.82	.50	.058
86	30.0	9.86	15.24	7.62	-7.36	2.36	-2.56	6.742E-06	.003	.003	1.777E-09	11.39	.82	.50	.001
87	30.0	11.23	15.24	7.62	-7.33	3.74	-2.54	2.750E-05	.011	.011	2.956E-08	11.39	.82	.50	.005
88	30.0	12.52	15.24	7.62	-7.33	5.03	-2.54	1.793E-05	.007	.007	1.257E-08	11.39	.82	.50	.003
89	30.0	13.16	15.24	7.62	-7.35	5.66	-2.56	6.493E-06	.003	.003	1.648E-09	11.39	.82	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MOD C-F RSI GAPS, RUN (108) 1973 PAGE 143

MACH = 10.290
PX E06 = 5.937E-01
PL E06 = 8.448E-02
RE/METER = 3.326E+06
HO = 2.554E+07(W/M2- K)
TW = 298.4 (K)
STEP = -.168(CM)

TT = 9.940E+02(K)
PI = 5.185E+06(N/M2)
T1 = 4.679E+01(K)
P1 = 0.986E+02(N/M2)
(RHO V)1 = 1.037E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAN/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.70	0.00	1.274E-05	.005	.005	6.215E-09	11.56	.83	.50	.009
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	8.695E-06	.033	.003	2.834E-09	11.56	.83	.50	.006
11	90.0	11.34	7.62	0.00	7.62	3.74	0.00	1.201E-05	.005	.005	6.202E-09	11.56	.83	.50	.009
12	90.0	10.05	7.62	0.00	7.62	2.35	0.00	8.317E-06	.003	.003	2.648E-09	11.56	.83	.50	.006
13	90.0	8.83	7.62	0.00	7.62	1.14	0.00	1.295E-04	.051	.051	6.420E-07	11.56	.83	.50	.096
14	90.0	8.02	7.62	0.00	7.62	.33	0.00	7.521E-04	.297	.297	2.165E-05	11.56	.83	.50	.557
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.350E-03	.533	.533	6.972E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	2.783E-03	1.100	1.100	2.965E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	2.850E-03	1.130	1.130	3.130E-04	11.56	.83	.50	
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	2.746E-03	1.085	1.085	2.887E-04	11.56	.83	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	1.148E-03	.450	.450	4.970E-05	11.56	.83	.50	
20															
21	90.0	-9.72	7.62	0.00	-7.62	1.17	0.00	1.179E-04	.047	.047	5.322E-07	11.56	.83	.50	.103
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	2.494E-05	.010	.010	2.380E-08	11.56	.83	.50	.022
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	1.752E-05	.007	.007	1.175E-08	11.56	.83	.50	.015
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	1.016E-05	.004	.004	3.953E-09	11.56	.83	.50	.009
25	90.0	-13.28	7.62	0.00	-7.62	5.73	0.00	1.174E-05	.005	.005	5.279E-09	11.56	.83	.50	.010
26	90.0	13.35	3.86	-3.76	7.62	5.70	-3.76	1.029E-05	.004	.004	4.244E-09	11.21	.81	.50	.007
27	90.0	12.68	3.82	-3.80	7.62	5.04	-3.80	4.886E-06	.002	.002	9.574E-10	11.21	.81	.50	.003
28	90.0	11.36	3.86	-3.76	7.62	3.72	-3.76	1.118E-06	.000	.000	5.010E-11	11.21	.81	.50	.001
29															
30	90.0	8.80	3.79	-3.83	7.6	1.16	-3.83	1.228E-04	.051	.049	6.056E-07	11.20	.81	.50	.078
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	9.186E-04	.381	.363	3.393E-05	11.20	.81	.50	.586
32	90.0	7.24	3.83	-3.79	7.24	0.00	-3.79	1.571E-03	.650	.621	9.893E-05	11.21	.81	.50	
33	90.0	3.71	3.70	-3.92	3.71	0.00	-3.92	2.558E-03	1.106	1.050	2.848E-04	11.19	.81	.50	
34	90.0	0.00	3.67	-3.95	0.00	0.00	-3.95	2.563E-03	1.109	1.052	2.860E-04	11.18	.81	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.89	2.548E-03	1.097	1.043	2.884E-04	11.19	.81	.50	
36	90.0	-7.28	3.88	-3.74	-7.28	0.00	-3.74	1.256E-03	.519	.496	6.316E-05	11.22	.81	.50	
37	90.0	-7.97	3.83	-3.79	-7.62	.37	-3.79	4.870E-04	.202	.192	9.589E-06	11.21	.81	.50	.388
38	90.0	-9.75	3.88	-3.74	-7.62	1.15	-3.74	7.457E-05	.031	.029	2.227E-07	11.22	.81	.50	.059
39	90.0	-9.95	3.82	-3.80	-7.62	2.35	-3.80	5.403E-06	.002	.002	1.171E-09	11.21	.81	.50	.004
40	90.0	-11.22	3.82	-3.80	-7.62	3.62	-3.80	7.593E-06	.003	.003	2.373E-09	11.21	.81	.50	.006
41															
42															
43	90.0	13.37	.27	-7.35	7.62	5.70	-7.35	1.693E-06	.001	.001	1.348E-10	10.33	.75	.50	.001
44	90.0	12.67	.29	-7.33	7.62	4.91	-7.33	1.366E-06	.001	.001	8.767E-11	10.33	.75	.50	.001
45	90.0	11.39	.30	-7.32	7.62	3.72	-7.32	2.433E-06	.001	.001	2.778E-10	10.34	.75	.50	.002
46	90.0	10.03	.26	-7.36	7.62	2.37	-7.36	7.398E-06	.004	.003	2.569E-09	10.33	.75	.50	.005

412

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CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	90.0	8.82	.27	-7.35	7.62	1.16	-7.35	1.717E-04	.083	.060	1.305E-06	10.33	.75	.50	.122
48	90.0	7.99	.36	-7.26	7.62	.33	-7.26	9.592E-04	.464	.379	4.308E-05	10.36	.75	.50	.678
49	90.0	7.30	.30	-7.27	7.30	0.00	-7.27	1.414E-03	.683	.559	9.359E-05	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	2.030E-03	.985	.802	1.936E-04	10.33	.75	.50	
51	90.0	0.00	.22	-7.40	0.00	0.00	-7.40	1.967E-03	.957	.777	1.824E-04	10.31	.75	.50	
52	90.0	-3.59	.27	-7.35	-3.58	0.00	-7.35	1.735E-03	.842	.686	1.415E-04	10.33	.75	.50	
53	90.0	-7.24	.46	-7.16	-7.24	0.00	-7.16	5.849E-04	.281	.231	1.593E-05	10.39	.75	.50	
54	90.0	-7.89	.36	-7.26	-7.62	.31	-7.26	3.303E-04	.160	.131	5.107E-06	10.36	.75	.50	.568
55	90.0	-8.69	.32	-7.30	-7.62	1.11	-7.30	7.784E-05	.038	.031	2.842E-07	10.34	.75	.50	.134
56	90.0	-9.93	.37	-7.25	-7.62	2.32	-7.25	1.570E-05	.008	.006	1.153E-08	10.36	.75	.50	.027
57	90.0	-11.2*	.36	-7.26	-7.62	3.70	-7.26	6.469E-06	.003	.003	1.959E-09	10.36	.75	.50	.011
58	90.0	-12.55	.38	-7.24	-7.62	4.97	-7.24	7.841E-07	.000	.000	2.876E-11	10.36	.75	.50	.001
59															
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	7.888E-04	.388	.312	2.965E-05	10.24	.74	.50	.568
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	1.324E-04	.065	.052	8.352E-07	10.24	.74	.50	.095
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	1.199E-05	.006	.005	6.855E-09	10.24	.74	.50	.009
63	90.0	7.19	0.00	-7.62	7.19	3.71	-7.62	7.571E-06	.004	.003	2.731E-09	10.24	.74	.50	.005
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	3.234E-06	.002	.001	4.984E-10	10.24	.74	.50	.002
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	1.331E-07	.000	.000	8.437E-13	10.24	.74	.50	.000
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	9.058E-04	.446	.358	3.989E-05	10.24	.74	.50	.453
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	7.832E-05	.035	.028	2.357E-07	10.24	.74	.50	.035
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	5.339E-06	.003	.002	1.358E-09	10.24	.74	.50	.003
69	90.0	3.50	0.00	-7.62	3.50	3.74	-7.62	3.997E-06	.002	.002	7.238E-10	10.24	.74	.50	.002
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	5.152E-06	.003	.002	1.265E-09	10.24	.74	.50	.003
71	90.0	3.40	0.00	-7.62	3.40	5.81	-7.62	5.246E-07	.000	.000	1.311E-11	10.24	.74	.50	.000
72															
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	7.039E-05	.035	.028	2.361E-07	10.24	.74	.50	.036
74	90.0	0.00	0.00	-7.62	0.00	2.37	-7.62	2.537E-06	.001	.001	3.068E-10	10.24	.74	.50	.001
75	90.0	0.00	0.00	-7.62	0.00	3.70	-7.62	7.328E-06	.004	.003	2.559E-09	10.24	.74	.50	.004
76	90.0	0.00	0.00	-7.62	0.00	4.99	-7.62	1.132E-05	.006	.004	6.110E-09	10.24	.74	.50	.006
77	90.0	0.00	0.00	-7.62	0.00	5.74	-7.62	1.+37E-06	.001	.001	9.836E-11	10.24	.74	.50	.001
78	90.0	-3.59	0.00	-7.62	-3.59	.38	-7.62	7.848E-04	.386	.310	2.935E-05	10.24	.74	.50	.458
79	90.0	-3.63	0.00	-7.62	-3.63	1.17	-7.62	7.008E-05	.034	.028	2.340E-07	10.24	.74	.50	.041
80	90.0	-3.61	0.00	-7.62	-3.60	2.42	-7.62	4.522E-06	.002	.002	1.019E-09	10.24	.74	.50	.003
81	90.0	-3.55	0.00	-7.62	-3.55	3.76	-7.62	2.779E-06	.001	.001	3.679E-10	10.24	.74	.50	.002
82	90.0	-3.59	0.00	-7.62	-3.58	5.08	-7.62	1.090E-05	.005	.004	5.657E-09	10.24	.74	.50	.006
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	2.506E-06	.001	.001	2.991E-10	10.24	.74	.50	.001
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	3.924E-04	.193	.155	7.337E-06	10.24	.74	.50	.686
85	90.0	-7.36	0.00	-7.62	-7.36	1.09	-7.62	6.749E-05	.033	.027	2.170E-07	10.24	.74	.50	.118
86	90.0	-7.35	0.00	-7.62	-7.36	2.36	-7.62	6.269E-06	.003	.002	1.873E-09	10.24	.74	.50	.011
87	90.0	-7.33	0.00	-7.62	-7.33	3.74	-7.62	5.882E-06	.003	.002	1.649E-09	10.24	.74	.50	.010
88	90.0	-7.33	0.00	-7.62	-7.33	5.03	-7.62	5.831E-06	.002	.002	1.206E-09	10.24	.74	.50	.009
89	90.0	-7.35	0.00	-7.62	-7.35	5.66	-7.62	5.314E-06	.002	.002	1.193E-09	10.24	.74	.50	.009

CFHT TEST (92), MDAC-E RSI GAPS, RUN (109) 1973

MACH = 10.290
PX E06 = 5.939E-01
PL E06 = 4.451E-02
RE/METER = 3.327E+06
HO = 2.654E+00 (N/M2- K)
TW = 298.7 (K)
STEP = -.169(CM)

TT = 9.938E+02(K)
PI = 5.185E+06(N/M2)
T1 = 4.677E+01(K)
P1 = 0.986E+02(N/M2)
(RHO V)1 = 1.037E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	13.39	7.62	0.00	7.62	5.70	1.97	6.151E-06	.802	.902	1.476E-09	11.50	.83	.50	.805
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	8.533E-07	.000	.000	2.830E-11	11.50	.83	.50	.801
11	75.0	11.34	7.62	0.00	7.62	3.74	1.97	9.629E-07	.000	.000	3.456E-11	11.50	.83	.50	.801
12	75.0	10.05	7.62	0.00	7.62	2.36	1.97	1.139E-06	.000	.000	5.043E-11	11.50	.83	.50	.800
13	75.0	8.83	7.62	0.00	7.62	1.14	1.97	1.196E-04	.048	.047	5.555E-07	11.50	.83	.50	.553
14	75.0	8.02	7.62	0.00	7.62	.33	1.97	7.514E-04	.302	.297	2.194E-05	11.50	.83	.50	
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.360E-03	.546	.538	7.188E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	3.00	.94	2.758E-03	1.098	1.098	2.933E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	2.891E-03	1.142	1.142	3.199E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	2.762E-03	1.099	1.091	2.941E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	1.210E-03	.485	.478	5.687E-05	11.46	.82	.50	.804
20	75.0	-7.97	7.62	0.00	-7.62	.41	-1.97	5.248E-06	.002	.002	1.070E-09	11.45	.82	.50	.102
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	1.231E-04	.049	.049	5.885E-07	11.45	.82	.50	.017
22	75.0	-9.94	7.62	0.00	-7.62	2.39	-1.97	2.074E-05	.008	.008	1.671E-08	11.45	.82	.50	.007
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	8.220E-06	.003	.003	2.626E-09	11.45	.82	.50	.012
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	1.672E-05	.006	.006	8.421E-09	11.45	.82	.50	.005
25	75.0	-13.28	7.62	0.00	-7.62	5.73	-1.97	5.799E-06	.002	.002	1.307E-09	11.45	.82	.50	
26															
27															
28															
29	75.0	10.09	3.81	-3.81	7.62	2.44	-1.71	4.593E-06	.002	.002	8.183E-10	11.48	.83	.50	.802
30	75.0	8.81	3.79	-3.83	7.62	1.16	-1.73	1.396E-04	.056	.055	7.559E-07	11.47	.82	.50	.071
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	1.130E-03	.453	.447	4.956E-05	11.47	.82	.50	.573
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	1.973E-03	.791	.780	1.512E-04	11.47	.82	.50	
33	75.0	3.71	3.70	-3.92	3.71	0.00	-2.83	2.951E-03	1.197	1.166	3.422E-04	11.35	.82	.50	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	2.718E-03	1.126	1.074	2.964E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	2.534E-03	1.087	1.001	2.668E-04	11.04	.80	.50	
36	75.0	-7.29	3.98	-3.74	-7.28	0.00	-5.50	1.177E-03	.523	.465	5.963E-05	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	4.454E-04	.199	.176	8.590E-06	10.82	.78	.50	.381
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	8.127E-05	.036	.032	2.054E-07	10.83	.78	.50	.069
39	75.0	-9.95	3.82	-3.80	-7.62	2.35	-5.64	1.429E-05	.006	.006	8.841E-09	10.82	.78	.50	.012
40	75.0	-11.22	3.82	-3.80	-7.62	3.62	-5.64	6.749E-06	.003	.003	1.973E-09	10.82	.78	.50	.006
41															
42	75.0	-13.29	4.00	-3.62	-7.62	5.68	-5.47	2.518E-06	.001	.001	2.724E-10	10.86	.78	.50	.802
43															
44															
45	75.0	11.39	.30	-7.32	7.62	3.72	-5.09	6.525E-06	.003	.003	1.799E-09	10.95	.79	.50	.805
46	75.0	10.09	.26	-7.36	7.62	2.37	-5.13	6.039E-06	.003	.002	1.543E-09	10.94	.79	.50	.805
47	75.0	8.82	.27	-7.35	7.62	1.16	-5.12	1.153E-04	.051	.046	5.724E-07	10.94	.79	.50	.094

414

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), M7AC-E RSI GAPS, RUN (109) 1973 PAGE 146

CM	GAMMA (DEG)	XSURF (CM)	YC (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	75.0	7.99	.36	-7.26	7.62	.33	-5.04	7.815E-04	.390	.309	2.574E-05	10.96	.79	.50	.626
49	75.0	7.30	.35	-7.27	7.30	0.00	-5.13	1.243E-03	.563	.491	6.543E-05	10.94	.79	.50	
50	75.0	3.69	.29	-7.33	3.69	0.00	-6.12	1.739E-03	.795	.687	1.339E-04	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	1.625E-03	.781	.642	1.229E-04	10.39	.75	.50	
52	75.0	-3.59	.27	-7.35	-3.58	3.30	-8.03	1.515E-03	.763	.599	1.120E-04	10.10	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	0.00	-8.79	5.338E-04	.281	.211	1.452E-05	9.82	.72	.50	
54	75.0	-7.43	.36	-7.26	-7.62	.31	-8.99	3.625E-04	.161	.120	4.717E-06	9.74	.71	.50	.573
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-9.02	8.372E-05	.037	.028	2.510E-07	9.73	.71	.50	.132
56	75.0	-9.90	.37	-7.25	-7.62	2.72	-8.98	1.262E-05	.007	.005	8.203E-09	9.74	.71	.50	.024
57	75.0	-11.28	.36	-7.26	-7.62	3.70	-8.98	5.025E-06	.003	.002	1.301E-09	9.74	.71	.50	.010
58	75.0	-12.65	.38	-7.24	-7.62	4.97	-8.97	6.339E-06	.003	.003	2.069E-09	9.75	.71	.50	.012
59	75.0	-13.21	.37	-7.25	-7.62	5.62	-8.98	3.433E-06	.002	.001	6.871E-10	9.75	.71	.50	.006
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	6.357E-04	.283	.252	1.745E-05	10.85	.78	.50	.521
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	9.287E-05	.041	.037	3.785E-07	10.86	.78	.50	.076
62	75.0	7.13	0.00	-7.62	7.13	2.34	-5.52	6.008E-07	.000	.000	1.554E-11	10.85	.78	.50	.000
63															
64	75.0	7.14	0.00	-7.62	7.14	5.02	-5.51	9.680E-07	.000	.000	4.035E-11	10.85	.78	.50	.001
65															
66	75.0	3.44	0.00	-7.62	3.44	.35	-6.47	7.305E-04	.339	.289	2.400E-05	10.60	.77	.50	.427
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	6.844E-05	.032	.027	2.107E-07	10.60	.77	.50	.040
68	75.0	3.45	0.00	-7.62	3.45	2.44	-6.47	7.706E-06	.004	.003	2.671E-09	10.60	.77	.50	.005
69	75.0	3.51	0.00	-7.62	3.50	3.74	-6.45	7.073E-06	.003	.003	2.249E-09	10.60	.77	.50	.004
70															
71															
72	75.0	0.00	0.00	-7.62	0.00	.38	-7.36	1.165E-06	.001	.000	6.388E-11	10.32	.75	.50	.001
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	6.231E-05	.030	.025	1.827E-07	10.32	.75	.50	.039
74	75.0	0.00	0.00	-7.62	0.00	2.37	-7.36	3.801E-06	.002	.002	6.796E-10	10.32	.75	.50	.002
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	5.512E-06	.003	.002	1.430E-09	10.32	.75	.50	.003
76	75.0	0.00	0.00	-7.62	0.00	4.99	-7.36	6.152E-06	.003	.002	1.781E-09	10.32	.75	.50	.004
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	2.852E-06	.001	.001	3.826E-10	10.32	.75	.50	.002
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-8.29	6.139E-04	.314	.243	1.868E-05	10.00	.73	.50	.411
79	75.0	-3.63	0.00	-7.62	-3.63	1.17	-8.30	6.948E-05	.036	.027	2.394E-07	10.00	.73	.50	.047
80															
81															
82															
83	75.0	-3.62	0.00	-7.62	-3.62	5.79	-8.30	1.219E-06	.001	.000	7.366E-11	10.00	.73	.50	.001
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	3.595E-04	.194	.142	6.761E-06	9.63	.71	.50	.691
85	75.0	-7.36	0.00	-7.62	-7.36	1.09	-9.26	5.515E-05	.030	.022	1.592E-07	9.63	.71	.50	.106
86	75.0	-7.36	0.00	-7.62	-7.36	2.36	-9.26	8.057E-06	.003	.002	1.926E-09	9.63	.71	.50	.012
87	75.0	-7.33	0.00	-7.62	-7.33	3.74	-9.26	9.150E-06	.005	.004	4.379E-09	9.63	.71	.50	.018
88															
89	75.0	-7.35	0.00	-7.62	-7.35	5.66	-9.26	4.700E-06	.003	.002	1.156E-09	9.63	.71	.50	.009

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), MDAC-E RSI GAPS, RUN (110) 1973 PAGE 147

MACH = 10.290 TT = 9.938E+02(K)
PX EQB = 5.941E-01 PI = 5.187E+06(N/M2)
RL EQB = 8.455E-02 TI = 4.677E+01(K)
PE/METER = 3.329E+05 P1 = 0.987E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.038E+01(KG/M2-S)
TW = 298.9 (K) GAP = .229 (CM)
STEP = -.168(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.39	7.62	0.00	7.62	5.78	3.81	8.581E-06	.004	.003	2.929E-09	11.29	.81	.58	.006
10															
11															
12	60.0	10.05	7.62	0.00	7.62	2.36	3.81	4.748E-06	.002	.002	8.968E-10	11.29	.81	.58	.003
13	60.0	8.83	7.62	0.00	7.62	1.14	3.81	1.087E-04	.045	.043	4.781E-07	11.29	.81	.58	.072
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	8.153E-04	.335	.322	2.645E-05	11.29	.81	.58	.541
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.512E-03	.628	.597	9.068E-05	11.32	.82	.58	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.780E-03	1.114	1.099	2.999E-04	11.51	.83	.58	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	2.933E-03	1.159	1.159	3.290E-04	11.56	.83	.58	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	2.773E-03	1.111	1.096	2.983E-04	11.47	.82	.58	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	1.298E-03	.536	.513	5.729E-05	11.24	.81	.58	
20															
21	60.0	-8.72	7.62	0.00	-7.62	1.17	-3.81	1.294E-04	.054	.051	6.715E-07	11.21	.81	.58	.100
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	2.526E-05	.010	.010	2.358E-08	11.21	.81	.58	.020
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	3.141E-05	.013	.012	3.956E-08	11.21	.81	.58	.024
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	1.375E-05	.006	.005	7.512E-09	11.21	.81	.58	.011
25	60.0	-13.28	7.62	0.00	-7.62	5.73	-3.81	9.587E-06	.004	.004	3.762E-09	11.21	.81	.58	.007
26															
27	60.0	12.69	3.82	-3.80	7.62	5.04	.52	5.108E-06	.002	.002	1.002E-09	11.56	.83	.58	.002
28	60.0	11.36	3.86	-3.76	7.62	3.72	.55	3.139E-06	.001	.001	3.785E-10	11.56	.83	.58	.001
29	60.0	10.08	3.81	-3.81	7.62	2.44	.51	4.562E-06	.002	.002	8.064E-10	11.56	.83	.58	.002
30	60.0	8.80	3.79	-3.83	7.62	1.16	.49	1.250E-04	.050	.049	5.997E-07	11.56	.83	.58	.059
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.192E-03	.473	.471	5.452E-05	11.56	.83	.58	.559
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.133E-03	.845	.843	1.745E-04	11.56	.83	.58	
33	60.0	3.71	3.70	-3.92	3.71	0.00	-1.54	3.137E-03	1.255	1.248	3.811E-04	11.49	.83	.58	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	2.912E-03	1.196	1.151	3.371E-04	11.27	.81	.58	
35	60.0	-3.59	3.73	-3.89	-3.59	0.00	-5.16	2.465E-03	1.078	.974	2.574E-04	10.93	.79	.58	
36	60.0	-7.28	3.88	-3.74	-7.28	0.00	-6.88	1.164E-03	.552	.460	6.224E-05	10.47	.76	.58	
37	60.0	-7.37	3.83	-3.79	-7.62	.37	-7.09	4.532E-04	.217	.179	9.533E-06	10.41	.76	.58	.393
38	60.0	-3.75	3.88	-3.74	-7.62	1.15	-7.85	7.543E-05	.037	.030	2.785E-07	10.42	.76	.58	.066
39	60.0	-9.95	3.82	-3.80	-7.62	2.35	-7.18	1.855E-05	.009	.007	1.597E-08	10.41	.76	.58	.016
40	60.0	-11.22	3.82	-3.80	-7.62	3.62	-7.18	1.329E-05	.006	.005	8.205E-09	10.41	.76	.58	.012
41															
42															
43	60.0	13.37	.27	-7.35	7.62	5.78	-2.55	6.624E-07	.000	.000	1.713E-11	11.39	.82	.58	.001
44	60.0	12.57	.29	-7.33	7.62	4.91	-2.53	2.738E-06	.001	.001	2.924E-10	11.39	.82	.58	.002
45	60.0	11.29	.30	-7.32	7.62	3.72	-2.53	1.038E-05	.004	.004	4.204E-09	11.39	.82	.58	.008
46	60.0	10.03	.25	-7.36	7.62	2.37	-2.56	9.561E-06	.004	.004	3.569E-09	11.39	.82	.58	.006

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), MDAC-F RSI GAPS, RUN (110) 1973 PAGE 148

CH	GAMMA (DEG)	YSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	9.82	.27	-7.35	7.62	1.16	-2.55	8.976E-05	.036	.035	3.145E-07	11.39	.82	.50	.073
48	60.0	7.39	.36	-7.26	7.62	.33	-2.48	7.074E-04	.285	.280	1.952E-05	11.40	.82	.50	.572
49	60.0	7.30	.35	-7.27	7.30	0.00	-2.64	1.234E-03	.498	.487	5.953E-05	11.38	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.00	-4.50	1.639E-03	.698	.648	1.108E-04	11.08	.80	.50	
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	1.358E-03	.629	.537	8.264E-05	10.61	.77	.50	
52	60.0	-3.59	.27	-7.35	-3.58	0.00	-8.16	1.186E-03	.602	.469	6.915E-05	10.05	.73	.50	
53	60.0	-7.24	.46	-7.16	-7.24	0.00	-9.82	5.172E-04	.288	.204	1.442E-05	9.40	.69	.50	
54	60.0	-7.93	.36	-7.26	-7.62	.31	-10.10	3.031E-04	.171	.120	5.024E-06	9.28	.68	.50	.595
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	6.703E-05	.038	.026	2.461E-07	9.26	.68	.50	.132
56	60.0	-9.94	.37	-7.25	-7.62	2.32	-10.09	1.402E-05	.008	.006	1.075E-08	9.28	.68	.50	.027
57	60.0	-11.29	.36	-7.26	-7.62	3.70	-10.10	7.472E-06	.004	.003	3.052E-09	9.28	.68	.50	.015
58	60.0	-12.55	.38	-7.24	-7.62	4.97	-10.08	1.298E-06	.001	.001	9.090E-11	9.29	.68	.50	.003
59	60.0	-13.20	.37	-7.25	-7.62	5.62	-10.09	7.002E-06	.004	.003	2.680E-09	9.28	.68	.50	.014
60	60.0	7.14	0.00	-7.62	7.14	.27	-3.03	5.981E-04	.244	.236	1.411E-05	11.33	.82	.50	.489
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	7.147E-05	.029	.028	2.010E-07	11.34	.82	.50	.058
62	60.0	7.13	0.00	-7.62	7.13	2.34	-3.04	1.458E-05	.006	.006	8.378E-09	11.33	.82	.50	.012
63															
64	60.0	7.14	0.00	-7.62	7.14	5.02	-3.03	8.107E-06	.003	.003	2.592E-09	11.33	.82	.50	.007
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	9.325E-07	.000	.000	3.429E-11	11.33	.82	.50	.001
66	60.0	3.44	0.00	-7.62	3.44	.36	-4.88	6.921E-04	.299	.273	2.005E-05	11.00	.79	.50	.429
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	7.429E-05	.032	.029	2.310E-07	11.00	.79	.50	.046
68	60.0	3.45	0.00	-7.62	3.45	2.44	-4.87	6.985E-06	.003	.003	2.042E-09	11.00	.79	.50	.004
69	60.0	3.51	0.00	-7.62	3.50	3.74	-4.85	1.394E-05	.006	.006	8.124E-09	11.00	.79	.50	.009
70															
71	60.0	3.40	0.00	-7.62	3.40	5.81	-4.90	3.245E-06	.001	.001	4.411E-10	10.99	.79	.50	.002
72															
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	7.473E-05	.035	.030	2.528E-07	10.56	.77	.50	.056
74	60.0	0.00	0.00	-7.62	0.00	2.37	-6.60	5.343E-06	.002	.002	1.292E-09	10.56	.77	.50	.004
75	60.0	0.00	0.00	-7.62	0.00	3.70	-6.60	1.565E-06	.001	.001	1.108E-10	10.56	.77	.50	.001
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	7.244E-06	.003	.003	2.375E-09	10.56	.77	.50	.005
77	60.0	0.00	0.00	-7.62	0.00	5.74	-6.60	5.368E-06	.003	.002	1.304E-09	10.56	.77	.50	.004
78	60.0	-3.59	0.00	-7.62	-3.59	.38	-8.39	4.554E-04	.240	.184	1.084E-05	9.97	.73	.50	.399
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	7.281E-05	.038	.029	2.644E-07	9.96	.73	.50	.062
80	60.0	-3.60	0.00	-7.62	-3.60	2.42	-8.40	5.346E-06	.003	.002	1.425E-09	9.96	.73	.50	.005
81	60.0	-3.55	0.00	-7.62	-3.55	3.76	-8.37	7.217E-06	.004	.003	2.593E-09	9.97	.73	.50	.006
82	60.0	-3.58	0.00	-7.62	-3.58	5.06	-8.39	2.156E-06	.001	.001	2.315E-10	9.97	.73	.50	.002
83	60.0	-3.62	0.00	-7.62	-3.62	5.79	-8.41	1.564E-06	.001	.001	1.220E-10	9.96	.73	.50	.001
84	60.0	-7.33	0.00	-7.62	-7.33	.31	-10.26	3.548E-04	.202	.140	6.941E-06	9.21	.68	.50	.702
85	60.0	-7.36	0.00	-7.62	-7.36	1.09	-10.28	6.815E-05	.039	.027	2.563E-07	9.20	.68	.50	.135
86	60.0	-7.36	0.00	-7.62	-7.36	2.36	-10.28	9.235E-06	.005	.004	4.707E-09	9.20	.68	.50	.018
87	60.0	-7.33	0.00	-7.62	-7.33	3.74	-10.26	5.351E-06	.003	.002	1.888E-09	9.21	.68	.50	.012
88	60.0	-7.33	0.00	-7.62	-7.33	5.03	-10.26	1.070E-06	.001	.000	6.313E-11	9.21	.68	.50	.002
89	60.0	-7.35	0.00	-7.62	-7.35	5.66	-10.27	7.388E-06	.004	.003	3.011E-09	9.20	.68	.50	.015

3.4-220

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E RSI GAPS, RUN (111) 1973 PAGE 149

MACH = 10.290 TT = 9.943E+02(K)
PX E06 = 1.000E+05 PI = 5.188E+06(N/M2)
PL E06 = 8.449E-02 T1 = 4.680E+01(K)
PE/METER = 3.326E+06 P1 = 0.987E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.038E+01(KG/M2-S)
TW =*555.0 (K) GAP = .229 (CM)
STEP = -.168(CM) CONF =STAG

TAW/TT =3.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (=0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10															
11															
12															
13	45.0	8.03	7.62	0.00	7.62	1.14	5.39	8.809E-05	.038	.035	3.207E-07	11.00	.80	.59	.056
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	8.150E-04	.348	.322	2.745E-05	11.00	.80	.50	.520
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.578E-03	.669	.623	1.021E-04	11.05	.80	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.029E-03	1.141	1.118	3.124E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.340E-03	1.162	1.162	3.307E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	2.834E-03	1.142	1.128	3.133E-04	11.40	.82	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	1.339E-03	.585	.529	7.589E-05	10.94	.79	.50	
20															
21	45.0	-8.72	7.62	0.00	-7.62	1.17	-5.39	9.873E-05	.044	.039	4.172E-07	10.88	.79	.50	.075
22	45.0	-9.04	7.62	0.00	-7.62	2.39	-5.39	1.590E-05	.007	.007	1.222E-08	10.88	.79	.50	.013
23	45.0	-11.25	7.62	0.00	-7.62	3.78	-5.39	2.498E-05	.011	.010	2.670E-08	10.88	.79	.50	.019
24															
25															
26															
27															
28															
29															
30	45.0	8.90	3.79	-3.83	7.62	1.16	2.68	1.835E-04	.042	.041	4.192E-07	11.44	.82	.50	.048
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.154E-03	.470	.468	5.297E-05	11.44	.82	.50	.544
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.143E-03	.863	.847	1.791E-04	11.46	.82	.50	
33	45.0	3.71	3.70	-3.92	3.71	0.00	-.15	3.009E-03	1.190	1.189	3.468E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	2.751E-03	1.115	1.087	2.969E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	2.581E-03	1.136	1.020	2.830E-04	10.90	.79	.50	
36	45.0	-7.28	3.88	-3.74	-7.28	0.00	-7.79	1.159E-03	.581	.462	6.579E-05	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	4.454E-04	.225	.176	9.781E-06	10.88	.73	.50	.307
38	45.0	-8.75	3.88	-3.74	-7.62	1.15	-8.03	6.197E-05	.031	.024	1.874E-07	10.18	.74	.50	.054
39															
40															
41	45.0	-12.64	3.95	-3.67	-7.62	5.04	-7.98	2.187E-06	.001	.001	2.327E-10	10.11	.74	.50	.002
42															
43															
44															
45															
46															
47	45.0	8.82	.27	-7.35	7.62	1.16	.19	6.914E-05	.027	.027	1.832E-07	11.56	.83	.50	.059
48	45.0	7.99	.36	-7.26	7.62	.33	.25	6.388E-04	.253	.252	1.561E-05	11.56	.83	.50	.547

HEAT TEST (92), MDAC-E RSI GAPS, RUN (111) 1973 PAGE 150

CH	GAMMA (DEG)	XSUBF (CM)	X3 (CM)	XP (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
49	45.0	3.30	.35	-7.27	7.30	0.00	.02	1.168E-03	.462	.462	5.220E-05	11.56	.83	.50	
50	45.0	3.69	.29	-7.33	3.69	0.00	-2.58	1.594E-03	.643	.636	9.926E-05	11.39	.82	.50	
51	45.0	0.00	.22	-7.40	0.00	0.00	-5.23	1.250E-03	.593	.498	5.747E-05	10.92	.79	.50	
53	45.0	-3.58	.27	-7.35	-3.58	0.00	-7.73	1.021E-03	.506	.403	4.397E-05	10.20	.74	.50	
54	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	5.553E-04	.315	.219	1.693E-05	9.24	.68	.50	
55	45.0	-8.62	.32	-7.30	-7.62	1.11	-10.55	6.759E-05	.039	.027	2.564E-07	9.08	.67	.50	.685
56	45.0	-9.96	.37	-7.25	-7.62	2.32	-10.52	2.316E-06	.001	.001	2.996E-10	9.09	.67	.50	.124
57															
58															
59															
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	5.360E-04	.220	.220	1.185E-05	11.55	.83	.50	.477
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	7.775E-05	.031	.031	2.317E-07	11.55	.83	.50	.067
62	45.0	7.13	0.00	-7.62	7.13	2.34	-.35	1.429E-06	.001	.001	7.831E-11	11.55	.83	.50	.001
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.30	1.029E-05	.004	.004	4.061E-09	11.55	.83	.50	.009
64	45.0	7.14	0.00	-7.62	7.14	5.02	-.34	8.555E-06	.003	.003	2.807E-09	11.55	.83	.50	.007
65															
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	6.810E-04	.277	.269	1.826E-05	11.34	.82	.50	.431
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	6.508E-05	.026	.026	1.669E-07	11.34	.82	.50	.041
68															
69															
70	45.0	3.46	0.00	-7.62	3.46	5.04	-2.94	2.368E-06	.001	.001	2.208E-10	11.34	.82	.50	.001
71	45.0	3.43	0.00	-7.62	3.43	5.81	-2.98	9.310E-06	.004	.004	3.415E-09	11.33	.82	.50	.005
72	45.0	0.00	0.00	-7.62	0.00	.38	-5.39	1.002E-05	.004	.004	4.295E-09	10.88	.79	.50	.008
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	7.183E-05	.032	.028	2.208E-07	10.88	.79	.50	.057
74	45.0	0.00	0.00	-7.62	0.00	2.37	-5.39	1.063E-05	.005	.004	4.839E-09	10.88	.79	.50	.008
75	45.0	0.00	0.00	-7.62	0.00	3.70	-5.39	8.626E-09	.000	.000	3.164E-15	10.88	.79	.50	.000
76	45.0	0.00	0.00	-7.62	0.00	4.99	-5.39	2.439E-06	.001	.001	2.547E-10	10.88	.79	.50	.002
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	5.346E-07	.000	.000	1.513E-11	10.88	.79	.50	.000
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	4.090E-04	.205	.162	8.114E-06	10.13	.74	.50	.405
79	45.0	-7.63	0.00	-7.62	-3.63	1.17	-7.95	7.021E-05	.035	.028	2.394E-07	10.12	.74	.50	.070
80	45.0	-3.60	0.00	-7.62	-3.60	2.42	-7.93	5.493E-06	.003	.002	1.464E-09	10.13	.74	.50	.005
81	45.0	-3.55	0.00	-7.62	-3.55	3.76	-7.90	3.057E-06	.002	.001	4.554E-10	10.14	.74	.50	.003
82	45.0	-3.58	0.01	-7.62	-3.58	5.08	-7.92	7.191E-06	.004	.003	2.507E-09	10.14	.74	.50	.007
83															
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	3.606E-04	.209	.142	7.285E-06	9.07	.67	.50	.662
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	6.157E-05	.036	.024	2.132E-07	9.06	.67	.50	.113
86	45.0	-7.36	0.00	-7.62	-7.36	2.36	-10.59	3.147E-06	.002	.001	5.555E-10	9.06	.67	.50	.006
87															
88															
89															

419

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

MACH = 10.290 TT = 9.956E+02(K)
RX EQE = 9.194E-02 PI = 5.185E+06(N/M2)
PL EQE = 8.421E-02 T1 = 4.696E+01(K)
PERIMETER = 3.315E+06 P1 = 0.986E+02(N/M2)
HC = 2.554E+10(W/M2- K) (RHO V)1 = 1.036E+01(KG/M2-S)
TW = 295.9 (K) GAP = .229 (CM)
STEP = -.168(CM) CONF =STAG

TAW/TT =1.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	-13.39	7.62	0.00	-7.62	5.70	0.00	1.617E-05	.006	.006	1.002E-08	11.56	.83	.50	.013
10	90.0	-12.72	7.62	0.00	-7.62	5.03	0.00	1.293E-05	.005	.005	6.402E-09	11.56	.83	.50	.010
11	90.0	-11.34	7.62	0.00	-7.62	3.74	0.00	1.804E-05	.007	.007	1.247E-08	11.56	.83	.50	.014
12	90.0	-10.05	7.62	0.00	-7.62	2.36	0.00	9.850E-06	.004	.004	3.726E-09	11.56	.83	.50	.008
13	90.0	-9.33	7.62	0.00	-7.62	1.14	0.00	1.016E-04	.040	.040	3.836E-07	11.56	.83	.50	.078
14	90.0	-9.02	7.62	0.00	-7.62	.33	0.00	6.255E-04	.247	.247	1.499E-05	11.56	.83	.50	.488
15	90.0	-7.29	7.62	0.00	-7.29	0.00	0.00	1.283E-03	.507	.507	6.305E-05	11.56	.83	.50	
16	90.0	-3.63	7.62	0.00	-3.63	0.00	0.00	2.927E-03	1.157	1.157	3.283E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	2.500E-03	1.106	1.106	3.004E-04	11.56	.83	.50	
18	90.0	3.54	7.62	0.00	3.54	0.00	0.00	2.640E-03	1.043	1.043	2.671E-04	11.56	.83	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	0.00	1.490E-03	.585	.585	8.399E-05	11.56	.83	.50	
20	90.0	7.97	7.62	0.00	7.62	.41	0.00	1.993E-06	.001	.001	1.522E-10	11.56	.83	.50	.001
21	90.0	8.72	7.62	0.00	7.62	1.17	0.00	1.746E-04	.069	.069	1.169E-06	11.56	.83	.50	.110
22	90.0	9.94	7.62	0.00	7.62	2.39	0.00	2.663E-05	.010	.010	2.325E-08	11.56	.83	.50	.017
23	90.0	11.25	7.62	0.00	7.62	3.70	0.00	1.002E-05	.004	.004	3.849E-09	11.56	.83	.50	.007
24	90.0	12.62	7.62	0.00	7.62	5.07	0.00	1.455E-05	.006	.006	8.116E-09	11.56	.83	.50	.010
25	90.0	13.28	7.62	0.00	7.62	5.73	0.00	7.510E-06	.003	.003	2.161E-09	11.56	.83	.50	.005
26	90.0	-13.35	11.38	3.76	-7.62	5.70	3.76	8.347E-06	.003	.003	2.775E-09	11.30	.81	.50	.006
27	90.0	-12.68	11.42	3.80	-7.62	5.04	3.80	1.267E-05	.005	.005	6.392E-09	11.29	.81	.50	.009
28	90.0	-11.36	11.38	3.76	-7.62	3.72	3.76	1.446E-05	.006	.006	8.329E-09	11.30	.81	.50	.011
29	90.0	-10.08	11.43	3.81	-7.62	2.44	3.81	9.922E-06	.004	.004	3.845E-09	11.29	.81	.50	.007
30	90.0	-8.80	11.45	3.83	-7.62	1.16	3.83	8.617E-05	.135	.034	2.961E-07	11.29	.81	.50	.063
31	90.0	-7.97	11.49	3.87	-7.62	.33	3.87	6.194E-04	.255	.245	1.531E-05	11.28	.81	.50	.451
32	90.0	-7.24	11.41	3.79	-7.24	0.00	3.79	1.375E-03	.565	.543	7.530E-05	11.30	.81	.50	
33	90.0	-3.71	11.54	3.92	-3.71	0.00	3.92	2.592E-03	1.068	1.024	2.685E-04	11.28	.81	.50	
34	90.0	0.00	11.57	3.95	0.00	0.00	3.95	2.574E-03	1.061	1.017	2.649E-04	11.27	.81	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	3.89	2.565E-03	1.056	1.013	2.626E-04	11.28	.81	.50	
36	90.0	7.28	11.36	3.74	7.28	0.00	3.74	1.585E-03	.651	.626	1.001E-04	11.30	.81	.50	
37	90.0	7.97	11.41	3.79	7.62	.37	3.79	9.156E-04	.375	.362	3.340E-05	11.30	.81	.50	.578
38	90.0	8.75	11.36	3.74	7.62	1.15	3.74	1.580E-04	.069	.066	1.124E-06	11.30	.81	.50	.106
39	90.0	9.95	11.42	3.80	7.62	2.35	3.80	8.021E-06	.003	.003	2.563E-09	11.29	.81	.50	.005
40	90.0	11.22	11.42	3.80	7.62	3.62	3.80	1.286E-05	.005	.005	6.585E-09	11.30	.81	.50	.008
41	90.0	12.54	11.29	3.67	7.62	5.04	3.67	1.870E-05	.008	.007	1.390E-08	11.31	.82	.50	.012
42	90.0	13.23	11.24	3.62	7.62	5.68	3.62	2.251E-06	.001	.001	2.013E-10	11.32	.82	.50	.001
43	90.0	-13.37	14.37	7.35	-7.62	5.70	7.35	6.535E-06	.003	.003	1.946E-09	10.50	.76	.50	.010
44	90.0	-12.57	14.95	7.33	-7.62	4.91	7.33	1.853E-05	.005	.004	4.899E-09	10.50	.76	.50	.016
45	90.0	-11.33	14.94	7.32	-7.62	3.72	7.32	1.258E-05	.006	.005	6.989E-09	10.51	.76	.50	.019
46	90.0	-10.03	14.99	7.36	-7.62	2.37	7.36	9.558E-06	.004	.004	4.134E-09	10.49	.76	.50	.015

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (30), MDAC-E 3ST GAPS, RUN (112) 1973

PAGE 56

CM	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUR-L (CM)	HT/HE
47	90.0	-3.42	14.97	7.35	-7.62	1.16	7.35	6.033E-05	.037	.032	2.853E-07	10.50	.76	.50	
48	90.0	-7.39	14.88	7.26	-7.62	.33	7.26	2.347E-04	.134	.116	3.828E-06	10.52	.77	.50	.122
49	90.0	-7.31	14.89	7.27	-7.36	0.00	7.27	6.502E-04	.300	.261	1.921E-05	10.52	.77	.50	.446
50	90.0	-3.63	14.95	7.33	-3.69	0.00	7.33	1.818E-03	.828	.719	1.461E-04	10.50	.76	.50	
51	90.0	3.00	15.02	7.40	0.00	0.00	7.40	1.959E-03	.895	.774	1.700E-04	10.48	.76	.50	
52	90.0	3.59	14.97	7.35	3.58	0.00	7.35	1.935E-03	.882	.765	1.656E-04	10.50	.76	.50	
53	90.0	7.29	14.79	7.16	7.24	0.00	7.16	1.099E-03	.498	.434	5.303E-05	10.55	.77	.50	
54	90.0	7.93	14.88	7.26	7.62	.31	7.26	9.167E-04	.417	.362	3.704E-05	10.52	.77	.50	.037
55	90.0	4.63	14.92	7.30	7.62	1.11	7.30	2.386E-04	.108	.094	2.499E-06	10.51	.76	.50	.218
56	90.0	9.90	14.87	7.25	7.62	2.32	7.25	1.082E-05	.005	.004	5.162E-09	10.53	.77	.50	.010
57	90.0	11.29	14.89	7.27	7.62	3.70	7.26	1.144E-05	.005	.005	5.778E-09	10.52	.77	.50	.010
58	90.0	12.55	14.96	7.24	7.62	4.97	7.24	1.194E-05	.005	.005	6.278E-09	10.53	.77	.50	.011
59	90.0	13.20	14.97	7.25	7.62	5.62	7.25	8.266E-06	.004	.003	3.010E-09	10.53	.77	.50	.008
60	90.0	-7.14	15.24	7.62	-7.14	.27	7.62	3.075E-04	.142	.122	4.222E-06	10.41	.76	.50	.672
61	90.0	-7.35	15.24	7.62	-7.35	1.17	7.62	6.073E-05	.028	.024	1.546E-07	10.41	.76	.50	.093
62	90.0	-7.13	15.24	7.62	-7.13	2.34	7.62	6.401E-06	.003	.003	1.829E-09	10.41	.76	.50	.010
63	90.0	-7.19	15.24	.62	-7.19	3.71	7.62	1.123E-05	.005	.004	5.630E-09	10.41	.76	.50	.017
64	90.0	-7.14	15.24	7.62	-7.14	5.02	7.62	1.543E-05	.007	.006	1.063E-08	10.41	.76	.50	.024
65	90.0	-7.14	15.24	7.62	-7.14	5.63	7.62	6.437E-06	.003	.003	1.850E-09	10.41	.76	.50	.010
66	90.0	-3.44	15.24	7.62	-3.44	.36	7.62	9.309E-04	.429	.368	3.869E-05	10.41	.76	.50	.517
67	90.0	-3.44	15.24	7.62	-3.44	1.19	7.62	8.371E-05	.039	.033	3.128E-07	10.41	.76	.50	.047
68	90.0	-3.45	15.24	7.62	-3.45	2.44	7.62	9.840E-06	.005	.004	4.322E-09	10.41	.76	.50	.005
69	90.0	-3.50	15.24	7.62	-3.50	3.74	7.62	3.334E-06	.002	.001	4.962E-10	10.41	.76	.50	.002
70	90.0	-3.46	15.24	7.62	-3.46	5.04	7.62	1.200E-05	.006	.005	7.402E-09	10.41	.76	.50	.007
71	90.0	-3.46	15.24	7.62	-3.46	5.81	7.62	1.241E-05	.006	.005	6.880E-09	10.41	.76	.50	.007
72	90.0	0.00	15.24	7.62	0.00	.38	7.62	2.328E-06	.001	.001	2.419E-10	10.41	.76	.50	.001
73	90.0	3.00	15.24	7.62	3.00	1.15	7.62	9.313E-05	.043	.037	3.872E-07	10.41	.76	.50	.040
74	90.0	0.00	15.24	7.62	0.00	2.37	7.62	1.615E-05	.005	.004	4.601E-09	10.41	.76	.50	.005
75	90.0	0.00	15.24	7.62	0.00	3.70	7.62	1.142E-05	.005	.005	5.822E-09	10.41	.76	.50	.006
76	90.0	0.00	15.24	7.62	0.00	4.99	7.62	1.220E-05	.006	.005	6.641E-09	10.41	.76	.50	.006
77	90.0	0.00	15.24	7.62	0.00	5.74	7.62	7.544E-06	.004	.003	2.609E-09	10.41	.76	.50	.004
78	90.0	3.59	15.24	7.62	3.59	.38	7.62	8.361E-04	.385	.330	3.121E-05	10.41	.76	.50	.436
79	90.0	3.63	15.24	7.62	3.63	1.17	7.62	9.398E-05	.043	.037	3.943E-07	10.41	.76	.50	.049
80	90.0	3.60	15.24	7.62	3.60	2.42	7.62	6.777E-06	.003	.003	2.850E-09	10.41	.76	.50	.004
81	90.0	3.55	15.24	7.62	3.55	3.76	7.62	7.165E-06	.003	.003	2.292E-09	10.41	.76	.50	.004
82	90.0	3.58	15.24	7.62	3.58	5.08	7.62	8.831E-06	.004	.003	3.482E-09	10.41	.76	.50	.005
83	90.0	3.62	15.24	7.62	3.62	5.79	7.62	1.273E-05	.006	.005	7.238E-09	10.41	.76	.50	.007
84	90.0	7.33	15.24	7.62	7.33	.31	7.62	6.927E-04	.319	.274	2.142E-05	10.41	.76	.50	.641
85	90.0	7.34	15.24	7.62	7.36	1.09	7.62	1.501E-04	.073	.062	1.116E-06	10.41	.76	.50	.146
86	90.0	7.35	15.24	7.62	7.36	2.36	7.62	1.324E-05	.009	.008	1.653E-08	10.41	.76	.50	.018
87	90.0	7.33	15.24	7.62	7.33	3.74	7.62	7.554E-06	.004	.003	2.615E-09	10.41	.76	.50	.007
88	90.0	7.33	15.24	7.62	7.33	5.03	7.62	5.366E-06	.002	.002	1.206E-09	10.41	.76	.50	.005
89															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 17.299 TT = 9.952E+02(K)
RX E06 = 9.192E-02 PI = 5.184E+06(N/M2)
RL E06 = 3.409E+02 T1 = 4.699E+01(K)
RE/METER = 3.311E+06 P1 = 0.985E+02(N/M2)
HO = 2.554E+01(M/M2- K) (RHO V)1 = 1.035E+01(KG/M2-S)
TW = 296.8 (K) GAP = .229 (CM)
STEP = -.169(CM) CONF =STAG

TW=TT =0.298 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

PT	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.39	7.62	0.00	-7.62	5.70	-1.97	1.181E-05	.005	.005	5.435E-09	11.45	.82	.50	.809
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	2.308E-05	.009	.009	2.075E-08	11.45	.82	.50	.817
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	2.151E-05	.009	.008	1.801E-08	11.45	.82	.50	.816
12	75.0	-10.25	7.62	0.00	-7.62	2.36	-1.97	1.771E-05	.007	.007	1.221E-08	11.45	.82	.50	.813
13	75.0	-8.93	7.62	0.00	-7.62	1.14	-1.97	1.051E-04	.042	.042	4.302E-07	11.45	.82	.50	.876
14	75.0	-8.32	7.62	0.00	-7.62	.33	-1.97	6.589E-04	.264	.260	1.691E-05	11.45	.82	.50	.478
15	75.0	-7.20	7.62	0.00	-7.29	0.00	-1.89	1.379E-03	.553	.545	7.399E-05	11.46	.82	.50	
16	75.0	-3.60	7.62	0.00	-3.63	0.00	-.94	2.908E-03	1.158	1.149	3.267E-04	11.53	.83	.50	
17	75.0	0.11	7.62	0.00	0.00	0.00	0.00	2.824E-03	1.116	1.116	3.058E-04	11.56	.83	.50	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.642E-03	1.052	1.044	2.697E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.88	1.495E-03	.593	.591	8.696E-05	11.50	.83	.50	
20															
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.748E-04	.070	.069	1.193E-06	11.50	.83	.50	.117
22	75.0	9.94	7.62	0.00	7.62	2.39	1.97	2.614E-05	.011	.010	2.263E-08	11.50	.83	.50	.816
23	75.0	11.25	7.62	0.00	7.62	3.70	1.97	1.371E-05	.006	.005	7.324E-09	11.50	.83	.50	.809
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	1.158E-05	.005	.005	5.222E-09	11.50	.83	.50	.808
25	75.0	13.29	7.62	0.00	7.62	5.73	1.97	1.857E-05	.007	.007	1.343E-08	11.50	.83	.50	.812
26	75.0	-13.35	11.38	3.76	-7.62	5.70	1.66	1.736E-05	.007	.007	1.171E-08	11.52	.83	.50	.812
27	75.0	-12.69	11.42	3.80	-7.62	5.04	1.70	1.456E-05	.006	.006	8.241E-09	11.52	.83	.50	.810
28	75.0	-11.36	11.38	3.76	-7.62	3.72	1.66	1.541E-05	.007	.006	1.046E-08	11.52	.83	.50	.811
29	75.0	-10.08	11.43	3.81	-7.62	2.44	1.71	2.276E-05	.009	.009	2.013E-08	11.51	.83	.50	.816
30	75.0	-8.93	11.45	3.83	-7.62	1.16	1.73	9.247E-05	.037	.037	3.324E-07	11.51	.83	.50	.863
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	6.484E-04	.260	.256	1.635E-05	11.51	.83	.50	.444
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	1.459E-03	.585	.576	8.277E-05	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	2.732E-03	1.106	1.080	2.933E-04	11.42	.82	.50	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.92	2.566E-03	1.055	1.014	2.626E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.416E-03	1.013	.955	2.375E-04	11.15	.81	.50	
36	75.0	7.28	11.36	3.74	7.28	0.00	5.50	1.441E-03	.617	.569	9.630E-05	10.98	.79	.50	
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	8.439E-04	.365	.336	3.015E-05	10.95	.79	.50	.592
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	1.577E-04	.072	.066	1.173E-06	10.96	.79	.50	.117
39	75.0	9.95	11.43	3.81	7.62	2.35	5.64	2.978E-05	.013	.012	3.701E-08	10.95	.79	.50	.821
40	75.0	11.22	11.42	3.80	7.62	3.62	5.64	1.353E-05	.006	.005	7.757E-09	10.95	.79	.50	.810
41	75.0	12.54	11.23	3.67	7.62	5.04	5.51	3.389E-06	.002	.002	6.617E-10	10.98	.79	.50	.803
42	75.0	13.23	11.24	3.62	7.62	5.68	5.47	1.143E-05	.004	.004	4.516E-09	10.99	.79	.50	.807
43	75.0	-13.27	14.97	7.35	-7.62	5.70	5.12	1.637E-05	.007	.006	1.101E-08	11.06	.80	.50	.821
44	75.0	-12.57	14.95	7.33	-7.62	4.91	5.10	1.012E-05	.004	.004	4.205E-09	11.06	.80	.50	.813
45	75.0	-11.38	14.94	7.32	-7.62	3.72	5.09	2.844E-05	.012	.011	3.320E-08	11.07	.80	.50	.837
46	75.0	-11.03	14.88	7.26	-7.62	2.37	5.13	4.601E-05	.019	.018	9.708E-08	11.06	.80	.50	.860

CM	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	75.1	-8.92	14.97	7.35	-7.62	1.16	5.12	9.743E-05	.041	.030	3.900E-07	11.06	.80	.50	.126
48	75.0	-7.99	14.99	7.26	-7.62	.33	5.04	3.353E-04	.142	.132	4.609E-06	11.08	.80	.50	.434
49	75.4	-7.30	14.89	7.27	-7.30	0.00	5.13	7.713E-04	.327	.305	2.445E-05	11.06	.80	.50	
50	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	1.847E-03	.806	.730	1.446E-04	10.83	.79	.50	
51	75.1	0.00	15.02	7.40	0.00	0.00	7.15	1.795E-03	.813	.709	1.416E-04	10.56	.77	.50	
52	75.4	3.58	14.97	7.35	3.59	0.00	8.03	1.544E-03	.776	.650	1.239E-04	10.28	.75	.50	
53	75.0	7.24	14.79	7.16	7.24	0.00	8.79	9.770E-04	.483	.386	4.583E-05	10.02	.73	.50	
54	75.3	7.89	14.88	7.26	7.62	.31	8.99	8.122E-04	.406	.321	3.204E-05	9.95	.73	.50	.841
55	75.0	8.69	14.92	7.30	7.62	1.11	9.02	2.394E-04	.120	.095	2.789E-06	9.94	.73	.50	.248
56	75.0	9.91	14.87	7.25	7.62	2.32	8.98	1.703E-05	.009	.007	1.408E-08	9.95	.73	.50	.018
57	75.0	11.28	14.98	7.26	7.62	3.70	8.98	1.441E-05	.007	.006	1.308E-08	9.95	.73	.50	.015
58	75.0	12.55	14.96	7.24	7.62	4.97	8.97	1.685E-05	.008	.007	1.378E-08	9.95	.73	.50	.017
59	75.3	13.20	14.87	7.25	7.62	5.62	8.99	9.960E-06	.005	.004	4.914E-09	9.95	.73	.50	.010
60	75.3	-7.14	15.24	7.62	-7.14	.27	5.51	3.593E-04	.154	.142	5.334E-06	10.98	.79	.50	.471
61	75.1	-7.35	15.24	7.62	-7.35	1.17	5.46	9.118E-05	.039	.036	3.451E-07	10.99	.80	.50	.119
62	75.3	-7.13	15.24	7.62	-7.13	2.34	5.52	1.400E-05	.006	.006	8.143E-09	10.98	.79	.50	.018
63	75.3	-7.19	15.24	7.62	-7.19	3.71	5.50	1.011E-05	.004	.004	4.247E-09	10.98	.79	.50	.013
64	75.3	-7.14	15.24	7.62	-7.14	5.02	5.51	6.195E-06	.003	.002	1.596E-09	10.98	.79	.50	.008
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	8.410E-06	.004	.003	2.941E-09	10.98	.79	.50	.011
66	75.1	-3.44	15.24	7.62	-3.44	.35	6.47	9.484E-04	.419	.375	3.852E-05	10.74	.78	.50	.519
67	75.4	-3.44	15.24	7.62	-3.44	1.19	6.47	1.395E-04	.048	.043	5.134E-07	10.74	.78	.50	.060
68	75.4	-3.45	15.24	7.62	-3.45	2.44	6.47	2.469E-05	.011	.010	2.611E-08	10.74	.78	.50	.014
69	75.0	-3.50	15.24	7.62	-3.50	3.74	6.45	9.654E-06	.004	.004	3.990E-09	10.75	.78	.50	.005
70	75.0	-3.46	15.24	7.62	-3.46	5.04	6.46	5.439E-06	.002	.002	1.267E-09	10.75	.78	.50	.003
71	75.3	-3.40	15.24	7.62	-3.40	5.91	6.48	6.594E-06	.003	.003	1.857E-09	10.74	.78	.50	.004
72															
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	1.203E-04	.055	.048	6.401E-07	10.49	.76	.50	.067
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	2.010E-05	.009	.008	1.708E-08	10.49	.76	.50	.011
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	2.528E-05	.012	.010	2.829E-08	10.49	.76	.50	.014
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	1.266E-05	.006	.005	7.091E-09	10.49	.76	.50	.007
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	1.477E-05	.007	.006	9.659E-09	10.49	.76	.50	.008
78	75.1	3.59	15.24	7.62	3.59	.38	8.29	7.777E-04	.373	.307	2.817E-05	10.20	.74	.50	.481
79	75.3	3.63	15.24	7.62	3.63	1.17	8.30	1.157E-04	.056	.046	6.349E-07	10.19	.74	.50	.072
80	75.1	3.60	15.24	7.62	3.60	2.42	8.29	9.246E-06	.004	.004	3.983E-09	10.19	.74	.50	.006
81	75.3	3.55	15.24	7.62	3.55	3.76	8.28	8.162E-06	.004	.003	3.101E-09	10.20	.74	.50	.005
82	75.4	3.58	15.24	7.62	3.58	5.08	8.29	7.004E-06	.003	.003	2.285E-09	10.20	.74	.50	.004
83	75.3	3.62	15.24	7.62	3.62	5.79	8.30	9.557E-06	.005	.004	4.345E-09	10.19	.74	.50	.006
84	75.1	7.33	15.24	7.62	7.33	.31	9.26	6.739E-04	.343	.266	2.240E-05	9.85	.72	.50	.709
85	75.0	7.35	15.24	7.62	7.36	1.09	9.26	1.704E-04	.087	.067	1.433E-06	9.84	.72	.50	.179
86	75.3	7.35	15.24	7.62	7.36	2.36	9.26	1.957E-05	.009	.007	1.702E-08	9.84	.72	.50	.020
87	75.1	7.33	15.24	7.62	7.33	3.74	9.26	1.431E-05	.007	.006	1.010E-08	9.85	.72	.50	.015
88	75.1	7.33	15.24	7.62	7.33	5.03	9.26	1.391E-05	.007	.005	9.544E-09	9.85	.72	.50	.015
89	75.1	7.35	15.24	7.62	7.35	5.66	9.26	7.549E-06	.004	.003	2.889E-09	9.84	.72	.50	.008

RSI GAP HEATING ANALYSIS
FINAL REPORT VOLUME II
REPORT MDC E1003 29 JANUARY 1974
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.
MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

RFHT TEST (32), MDAC-E RSI GAPS, RUN (114) 1973 PAGE 59

MACH = 10.290
RX EQS = 8.153E-02
RL EQS = 8.380E-02
REYNETER = 3.299E+06
HO = 2.654E+03(W/M2- K)
TW = 297.5 (K)
STEP = -.160(CM)

TT = 9.983E+02(K)
PI = 5.187 E+06(N/M2)
T1 = 4.708E+01(K)
P1 = 0.986 E+02(N/M2)
(RHO V)1 = 1.035E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAN/TT =0.89F FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	-13.39	7.62	0.00	-7.62	5.70	-3.81	2.084E-05	.009	.008	1.747E-08	11.21	.81	.50	.015
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	2.447E-05	.010	.010	2.408E-08	11.21	.81	.50	.017
11	60.0	-11.34	7.62	0.00	-7.62	3.74	-3.81	1.564E-05	.006	.006	9.837E-09	11.21	.81	.50	.011
12	60.0	-10.05	7.62	0.00	-7.62	2.36	-3.81	2.613E-05	.011	.010	2.746E-08	11.21	.81	.50	.018
13	60.0	-8.93	7.62	0.00	-7.62	1.14	-3.81	1.066E-04	.044	.042	4.571E-07	11.21	.81	.50	.075
14	60.0	-8.02	7.62	0.00	-7.62	.33	-3.81	6.980E-04	.289	.276	1.964E-05	11.21	.81	.50	.489
15	60.0	-7.29	7.62	0.00	-7.29	0.00	-3.65	1.435E-03	.592	.567	8.254E-05	11.23	.81	.50	
16	60.0	-3.63	7.62	0.00	-3.63	0.00	-1.82	2.911E-03	1.167	1.150	3.298E-04	11.47	.82	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	2.863E-03	1.131	1.131	3.145E-04	11.56	.83	.50	
18	60.0	3.54	7.62	0.00	3.54	0.00	1.77	2.704E-03	1.083	1.068	2.845E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	0.00	3.63	1.606E-03	.658	.635	1.027E-04	11.32	.82	.50	
20	60.0	7.97	7.62	0.00	7.62	.41	3.81	5.199E-14	.000	.000	1.079E-25	11.29	.81	.50	.000
21	60.0	8.72	7.62	0.00	7.62	1.17	3.81	1.552E-04	.060	.065	1.090E-06	11.29	.81	.50	.103
22	60.0	9.94	7.62	0.00	7.62	2.39	3.81	3.186E-05	.013	.013	4.051E-08	11.29	.81	.50	.020
23	60.0	11.25	7.62	0.00	7.62	3.70	3.81	9.390E-06	.004	.004	3.671E-09	11.29	.81	.50	.006
24	60.0	12.62	7.62	0.00	7.62	5.07	3.81	1.066E-05	.004	.004	4.705E-09	11.29	.81	.50	.007
25	60.0	13.28	7.62	0.00	7.62	5.73	3.81	1.125E-05	.005	.004	5.050E-09	11.29	.81	.50	.007
26	60.0	-13.35	11.38	3.76	-7.62	5.78	-.55	1.663E-05	.007	.007	1.066E-08	11.54	.83	.50	.011
27	60.0	-12.69	11.42	3.80	-7.62	5.04	-.52	1.430E-05	.006	.006	7.979E-09	11.55	.83	.50	.009
28	60.0	-11.35	11.38	3.76	-7.62	3.72	-.55	2.255E-05	.009	.009	1.960E-08	11.54	.83	.50	.014
29	60.0	-10.09	11.43	3.81	-7.62	2.44	-.51	1.629E-05	.006	.006	1.022E-08	11.55	.83	.50	.010
30	60.0	-8.91	11.45	3.83	-7.62	1.16	-.49	9.332E-05	.039	.039	3.800E-07	11.55	.83	.50	.063
31	60.0	-7.97	11.49	3.87	-7.62	.33	-.46	6.995E-04	.277	.276	1.885E-05	11.55	.83	.50	.442
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	1.583E-03	.627	.625	9.641E-05	11.55	.83	.50	
33	60.0	-3.71	11.54	3.92	-3.71	0.00	1.54	2.948E-03	1.179	1.165	3.376E-04	11.52	.83	.50	
34	60.0	0.00	11.57	3.95	0.00	0.00	3.42	2.559E-03	1.045	1.011	2.598E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.384E-03	1.011	.942	2.340E-04	11.05	.80	.50	
36	60.0	7.28	11.36	3.74	7.28	0.00	6.88	1.369E-03	.614	.541	8.160E-05	10.63	.77	.50	
37	60.0	7.37	11.41	3.79	7.62	.37	7.09	7.430E-04	.336	.294	2.421E-05	10.57	.77	.50	.547
38	60.0	8.75	11.36	3.74	7.62	1.15	7.05	1.489E-04	.067	.059	9.707E-07	10.58	.77	.50	.109
39	60.0	9.95	11.42	3.80	7.62	2.35	7.10	5.216E-06	.002	.002	1.194E-09	10.57	.77	.50	.004
40	60.0	11.22	11.42	3.80	7.62	3.62	7.10	9.779E-06	.004	.004	4.196E-09	10.57	.77	.50	.007
41	60.0	12.54	11.29	3.67	7.62	5.04	6.99	1.393E-06	.001	.001	8.477E-11	10.60	.77	.50	.001
42	60.0	13.29	11.24	3.62	7.62	5.68	6.94	5.242E-06	.002	.002	1.199E-09	10.61	.77	.50	.004
43	60.0	-13.37	14.97	7.35	-7.62	5.70	2.55	4.713E-06	.002	.002	8.695E-10	11.45	.82	.50	.005
44	60.0	-12.57	14.95	7.33	-7.62	4.91	2.53	1.437E-05	.006	.006	8.085E-09	11.45	.82	.50	.016
45	60.0	-11.33	14.94	7.32	-7.62	3.72	2.53	2.030E-05	.008	.008	1.613E-08	11.45	.82	.50	.023
46	60.0	-10.13	14.99	7.36	-7.62	2.37	2.56	2.210E-05	.009	.009	1.912E-08	11.45	.82	.50	.025

CFHT TEST (92), MACH= PSI GAPS, RUN (114) 1973 PAGE 66

CH	GAMMA (DEG)	YSURF (CM)	XR (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	-8.82	14.97	7.35	-7.62	1.16	2.55	9.584E-05	.039	.038	3.671E-07	11.45	.82	.50	.110
48	60.0	-7.98	14.88	7.26	-7.62	.33	2.48	3.594E-04	.149	.146	5.340E-06	11.46	.82	.50	.420
49	60.0	-7.30	14.99	7.27	-7.30	0.00	2.64	8.768E-04	.354	.346	3.014E-05	11.44	.82	.50	
50	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	1.942E-03	.811	.767	1.529E-04	11.18	.81	.50	
51	60.0	0.01	15.02	7.40	0.00	0.00	6.41	1.702E-03	.749	.672	1.238E-04	10.76	.78	.50	
52	60.0	3.58	14.97	7.35	3.58	0.00	8.16	1.436E-03	.683	.567	9.529E-05	10.24	.75	.50	
53	60.0	7.24	14.79	7.16	7.24	0.00	9.82	8.216E-04	.431	.325	3.441E-05	9.63	.71	.50	
54	60.0	7.99	14.88	7.26	7.62	.31	10.10	6.578E-04	.356	.264	2.389E-05	9.51	.70	.50	.825
55	60.0	9.69	14.92	7.30	7.62	1.11	10.13	1.998E-04	.107	.079	2.871E-06	9.50	.70	.50	.247
56	60.0	9.93	14.87	7.25	7.62	2.32	10.09	8.343E-06	.004	.003	3.603E-09	9.51	.70	.50	.010
57	60.0	11.28	14.89	7.26	7.62	3.70	10.10	6.166E-06	.003	.002	1.968E-09	9.51	.70	.50	.008
58															
59															
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	3.985E-04	.162	.157	6.262E-06	11.40	.82	.50	.457
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	9.460E-05	.038	.037	3.524E-07	11.41	.82	.50	.108
62	60.0	-7.13	15.24	7.62	-7.13	2.34	3.04	7.073E-06	.003	.003	1.973E-09	11.40	.82	.50	.008
63	60.0	-7.19	15.24	7.62	-7.19	3.71	3.00	5.132E-06	.002	.002	1.038E-09	11.40	.82	.50	.006
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	3.626E-06	.001	.001	5.187E-10	11.40	.82	.50	.004
65	60.0	-7.14	15.24	7.62	-7.14	5.63	3.03	4.967E-06	.002	.002	9.889E-10	11.40	.82	.50	.006
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.043E-03	.439	.412	4.450E-05	11.11	.80	.50	.542
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	1.206E-04	.051	.048	5.941E-07	11.11	.80	.50	.063
68	60.0	-3.45	15.24	7.62	-3.45	2.44	4.87	2.249E-05	.009	.009	2.067E-08	11.11	.80	.50	.012
69	60.0	-3.50	15.24	7.62	-3.50	3.74	4.85	1.767E-05	.007	.007	1.275E-08	11.11	.80	.50	.009
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	7.383E-06	.003	.003	2.228E-09	11.11	.80	.50	.004
71	60.0	-3.40	15.24	7.62	-3.40	5.81	4.90	3.241E-06	.001	.001	4.295E-10	11.10	.80	.50	.002
72															
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	1.371E-04	.061	.054	8.091E-07	10.71	.78	.50	.881
74	60.0	0.00	15.24	7.62	0.00	2.37	6.60	1.386E-05	.006	.005	8.272E-09	10.71	.78	.50	.008
75	60.0	0.00	15.24	7.62	0.00	3.78	6.60	4.257E-06	.002	.002	7.804E-10	10.71	.78	.50	.003
76	61.0	0.00	15.24	7.62	0.00	4.99	6.60	2.383E-05	.011	.009	2.445E-08	10.71	.78	.50	.014
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	7.345E-06	.003	.003	2.324E-09	10.71	.78	.50	.004
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	7.769E-04	.375	.307	2.832E-05	10.16	.74	.50	.549
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	1.335E-04	.065	.053	8.369E-07	10.15	.74	.50	.094
80	60.0	3.60	15.24	7.62	3.60	2.42	8.40	1.422E-05	.007	.006	9.492E-09	10.16	.74	.50	.010
81	60.0	3.55	15.24	7.62	3.55	3.75	8.37	5.553E-06	.003	.002	1.503E-09	10.17	.74	.50	.004
82	60.0	3.58	15.24	7.62	3.58	5.08	8.39	8.376E-06	.004	.003	3.290E-09	10.16	.74	.50	.006
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	8.143E-06	.004	.003	3.114E-09	10.16	.74	.50	.006
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	6.117E-04	.329	.242	1.955E-05	9.44	.70	.50	.763
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	1.551E-04	.083	.061	1.257E-06	9.44	.70	.50	.194
86	60.0	7.36	15.24	7.62	7.36	2.36	10.28	1.008E-05	.005	.004	5.312E-09	9.44	.70	.50	.013
87	60.0	7.33	15.24	7.62	7.33	3.74	10.26	8.441E-06	.005	.003	3.723E-09	9.44	.70	.50	.011
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	7.061E-06	.004	.003	2.605E-09	9.44	.70	.50	.009
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	6.468E-07	.000	.000	2.187E-11	9.44	.70	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CHT TEST (32), MJAC-E RSI GAPS, RUN (115) 1973 PAGE 61

MACH = 10.290 TT = 9.995E+02(K)
PV EDE = 8.130E-02 PI = 5.185E+06(N/M2)
PL EDE = 8.356E-02 T1 = 4.767E+01(K)
REYNEYER = 3.29JE+06 P1 = 0.985E+02(N/M2)
HC = 2.554E+00(W/M2- K) (RHO V)1 = 1.033E+01(KG/M2-S)
TW = 299.3 (K) GAP = .229 (CM)
STEP = -.159(CM) CONF =STAG

TAW/TT =1.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = Y-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.00	-7.62	5.70	-5.39	2.035E-05	.009	.008	1.781E-09	10.88	.79	.50	.015
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	1.575E-05	.007	.006	1.067E-08	10.86	.79	.50	.011
11	45.0	-11.34	7.62	0.00	-7.62	3.74	-5.39	1.983E-05	.009	.008	1.690E-08	10.88	.79	.50	.014
12	45.0	-11.05	7.62	0.00	-7.62	2.36	-5.39	2.749E-05	.012	.011	3.249E-08	10.88	.79	.50	.020
13	45.0	-9.83	7.62	0.00	-7.62	1.14	-5.39	9.773E-05	.043	.039	4.106E-07	10.88	.79	.50	.070
14	45.0	-9.02	7.62	0.00	-7.62	.33	-5.39	6.810E-04	.301	.269	1.998E-05	10.88	.79	.50	.487
15	45.0	-7.29	7.62	0.00	-7.29	0.00	-5.16	1.416E-03	.619	.554	8.526E-05	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	2.989E-03	1.205	1.181	3.502E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.892E-03	1.143	1.143	3.213E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.776E-03	1.118	1.097	3.018E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	1.770E-03	.759	.699	1.298E-04	11.06	.80	.50	
20															
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.478E-04	.063	.058	9.064E-07	11.00	.80	.50	.084
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	2.476E-05	.011	.010	2.544E-08	11.00	.80	.50	.014
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	1.451E-05	.006	.006	8.743E-09	11.00	.80	.50	.008
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	7.766E-06	.003	.003	2.583E-09	11.00	.80	.50	.004
25	45.0	13.29	7.62	0.00	7.62	5.73	5.39	6.589E-06	.003	.003	1.802E-09	11.00	.80	.50	.004
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	7.846E-06	.003	.003	2.422E-09	11.37	.82	.50	.005
27	45.0	-12.69	11.42	3.80	-7.62	5.34	-2.70	4.261E-06	.002	.002	7.139E-10	11.37	.82	.50	.003
28	45.0	-11.36	11.38	3.76	-7.62	3.7	-2.73	2.019E-05	.008	.008	1.605E-08	11.37	.82	.50	.012
29	45.0	-10.69	11.43	3.81	-7.62	2.4	-2.69	1.357E-05	.005	.005	7.242E-09	11.37	.82	.50	.008
30	45.0	-8.93	11.45	3.83	-7.62	1.16	-2.68	7.991E-05	.032	.032	2.510E-07	11.37	.82	.50	.048
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	7.441E-04	.301	.294	2.175E-05	11.38	.82	.50	.444
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	1.680E-03	.677	.664	1.105E-04	11.40	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.005E-03	1.189	1.187	3.474E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.513E-03	1.057	1.032	2.686E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.411E-03	1.026	.953	2.406E-04	11.02	.80	.50	
36	45.0	7.28	11.36	3.74	7.28	0.00	7.79	1.382E-03	.643	.546	8.640E-05	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	6.832E-04	.323	.270	2.149E-05	10.27	.75	.50	.503
38	45.0	8.75	11.38	3.74	7.62	1.15	8.03	1.256E-04	.059	.050	7.244E-07	10.28	.75	.50	.092
39	45.0	9.95	11.42	3.80	7.62	2.35	8.08	8.562E-06	.004	.003	3.330E-09	10.27	.75	.50	.006
41	45.0	11.22	11.42	3.80	7.62	3.62	8.07	1.316E-05	.006	.005	7.973E-09	10.27	.75	.50	.010
41	45.0	12.64	11.29	3.67	7.62	5.04	7.98	7.247E-06	.003	.003	2.405E-09	10.30	.75	.50	.005
42	45.0	13.29	11.24	3.62	7.62	5.68	7.95	8.113E-06	.004	.003	3.008E-09	10.31	.75	.50	.006
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	4.910E-06	.002	.002	9.277E-10	11.55	.83	.50	.005
44	45.0	-12.57	14.95	7.33	-7.62	4.91	-.21	8.334E-06	.003	.003	2.673E-09	11.55	.83	.50	.009
45	45.0	-11.88	14.94	7.32	-7.62	3.72	-.22	1.753E-05	.007	.007	1.183E-08	11.55	.83	.50	.018
46	45.0	-10.13	14.93	7.36	-7.62	2.37	-.19	2.202E-05	.009	.009	1.866E-08	11.55	.83	.50	.023
47	45.0	-8.92	14.97	7.35	-7.62	1.16	-.19	9.739E-05	.039	.038	3.650E-07	11.55	.83	.50	.101

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CFHT TEST (92), MDAC-E RSI GAPS, RUN (115) 1973 PAGE 62

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	YP (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
48	45.0	-7.99	14.88	7.26	-7.62	.33	-.25	4.151E-04	.164	.164	6.633E-06	11.55	.83	.50	.431
49	45.0	-7.33	14.89	7.27	-7.30	0.00	-.02	9.648E-04	.381	.381	3.577E-05	11.56	.83	.50	
50	45.0	-3.69	14.95	7.33	-3.69	0.00	2.58	1.977E-03	.797	.781	1.532E-04	11.45	.82	.50	
51	45.0	0.00	15.02	7.40	0.00	0.00	5.23	1.589E-03	.675	.628	1.043E-04	11.04	.80	.50	
52	45.0	3.58	14.97	7.35	3.58	0.00	7.73	1.294E-03	.600	.511	7.553E-05	10.38	.76	.50	
53	45.0	7.24	14.78	7.16	7.24	0.00	10.18	8.242E-04	.441	.326	3.538E-05	9.48	.70	.50	
54	45.0	7.99	14.88	7.26	7.62	.31	10.52	6.233E-04	.340	.246	2.061E-05	9.33	.69	.50	.770
55	45.0	8.69	14.92	7.30	7.62	1.11	10.55	1.725E-04	.094	.058	1.581E-06	9.32	.69	.50	.213
56	45.0	8.90	14.87	7.25	7.62	2.32	10.52	1.521E-05	.008	.006	1.227E-08	9.33	.69	.50	.019
57	45.0	11.29	14.88	7.26	7.62	3.70	10.52	1.115E-05	.006	.004	6.599E-09	9.33	.69	.50	.014
58	45.0	12.55	14.86	7.24	7.62	4.97	10.51	1.382E-05	.008	.005	1.012E-08	9.34	.69	.50	.017
59	45.0	13.29	14.87	7.25	7.62	5.62	10.52	7.811E-06	.004	.003	3.235E-09	9.33	.69	.50	.010
60	45.0	-7.14	15.24	7.62	-7.14	.27	.34	4.585E-04	.186	.185	8.454E-06	11.56	.83	.50	.487
61	45.0	-7.35	15.24	7.62	-7.35	1.17	.19	1.092E-04	.043	.043	4.591E-07	11.56	.83	.50	.113
62	45.0	-7.13	15.24	7.62	-7.13	2.34	.35	1.535E-05	.006	.006	9.072E-09	11.56	.83	.50	.016
63	45.0	-7.19	15.24	7.62	-7.19	3.71	.30	9.936E-06	.004	.004	3.802E-09	11.56	.83	.50	.010
64	45.0	-7.14	15.24	7.62	-7.14	5.02	.34	1.242E-05	.005	.005	5.944E-09	11.56	.83	.50	.013
65	45.0	-7.14	15.24	7.62	-7.14	5.63	.34	6.856E-06	.003	.003	1.816E-09	11.56	.83	.50	.007
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.140E-03	.462	.458	5.126E-05	11.41	.82	.50	.580
67	45.0	-3.44	15.24	7.62	-3.44	1.19	2.95	1.464E-04	.059	.058	8.454E-07	11.41	.82	.50	.075
68	45.0	-3.45	15.24	7.62	-3.45	2.44	2.95	1.281E-05	.005	.005	5.468E-09	11.41	.82	.50	.007
69	45.0	-3.50	15.24	7.62	-3.50	3.74	2.91	9.290E-06	.004	.004	3.402E-09	11.41	.82	.50	.005
70	45.0	-3.46	15.24	7.62	-3.46	5.04	2.94	6.045E-06	.002	.002	1.441E-09	11.41	.82	.50	.003
71															
72															
73	45.0	0.00	15.24	7.62	0.00	1.15	5.39	1.624E-04	.069	.064	1.095E-06	11.00	.80	.50	.103
74	45.0	0.00	15.24	7.62	0.00	2.37	5.39	1.201E-05	.005	.005	5.988E-09	11.00	.80	.50	.008
75	45.0	0.00	15.24	7.62	0.00	3.70	5.39	1.186E-05	.005	.005	5.841E-09	11.00	.80	.50	.008
76	45.0	0.00	15.24	7.62	0.00	4.99	5.39	1.164E-05	.005	.005	5.618E-09	11.00	.80	.50	.007
77	45.0	0.00	15.24	7.62	0.00	5.74	5.39	6.916E-07	.000	.000	1.985E-11	11.00	.80	.50	.000
78	45.0	3.59	15.24	7.62	3.59	.38	7.93	7.486E-04	.351	.296	2.556E-05	10.32	.75	.50	.586
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	1.470E-04	.069	.058	9.883E-07	10.31	.75	.50	.115
80	45.0	3.64	15.24	7.62	3.64	2.42	7.93	1.035E-05	.005	.004	4.893E-09	10.31	.75	.50	.008
81	45.0	3.55	15.24	7.62	3.55	3.76	7.90	7.551E-06	.004	.003	2.667E-09	10.33	.75	.50	.006
82	45.0	3.59	15.24	7.62	3.58	5.08	7.92	4.478E-06	.002	.002	9.146E-10	10.32	.75	.50	.004
83	45.0	3.62	15.24	7.62	3.62	5.79	7.95	1.833E-05	.009	.007	1.535E-08	10.31	.75	.50	.014
84	45.0	7.33	15.24	7.62	7.33	.31	10.57	8.528E-04	.357	.258	2.266E-05	9.31	.69	.50	.809
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	1.521E-04	.063	.060	1.231E-06	9.30	.69	.50	.189
86	45.0	7.36	15.24	7.62	7.36	2.36	10.59	1.569E-05	.009	.006	1.311E-08	9.30	.69	.50	.019
87	45.0	7.33	15.24	7.62	7.33	3.74	10.57	8.467E-06	.005	.003	3.813E-09	9.31	.69	.50	.010
88	45.0	7.33	15.24	7.62	7.33	5.03	10.57	9.038E-06	.005	.004	4.345E-09	9.31	.69	.50	.011
89	45.0	7.35	15.24	7.62	7.35	5.65	10.59	7.283E-06	.004	.003	2.823E-09	9.30	.69	.50	.009

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PX E06 = 3.335E-01
PL E06 = 8.338E-02
RE/METER = 3.293E+06
HO = 2.554E+07(W/M2- K)
TW = 299.8 (K)
STEP = -.169(CM)

TT = 1.000E+03(K)
PI = 5.175E+06(N/M2)
T1 = 4.710E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.032E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =0.89F FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	1.554E-05	.008	.006	1.157E-08	10.24	.74	.50	.009
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	1.781E-05	.009	.007	1.520E-08	10.24	.74	.50	.009
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	7.918E-06	.004	.003	3.083E-09	10.24	.74	.50	.004
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	1.656E-05	.008	.007	1.315E-08	10.24	.74	.50	.008
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	7.333E-05	.036	.029	2.576E-07	10.24	.74	.50	.037
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	8.908E-04	.438	.352	3.802E-05	10.24	.74	.50	.493
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	1.996E-03	.966	.789	1.879E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	2.850E-03	1.176	1.126	3.263E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.856E-03	1.128	1.128	3.138E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	2.747E-03	1.125	1.086	3.009E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	1.991E-03	.985	.787	1.755E-04	10.52	.77	.50	
20															
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	1.371E-04	.068	.054	8.422E-07	10.41	.76	.50	.070
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	3.586E-05	.017	.015	6.090E-08	10.41	.76	.50	.019
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	2.595E-05	.012	.010	3.019E-08	10.41	.76	.50	.013
24	0.0	0.00	7.62	0.00	7.62	5.07	7.62	3.313E-05	.015	.013	4.928E-08	10.41	.76	.50	.017
25	0.0	0.00	7.62	0.00	7.62	5.73	7.62	2.390E-05	.011	.009	2.560E-08	10.41	.76	.50	.012
26	0.0	-3.76	3.86	-3.76	-7.62	5.70	-7.62	9.646E-06	.005	.004	4.458E-09	10.24	.74	.50	.005
27	0.0	-3.81	3.82	-3.80	-7.62	5.04	-7.62	7.150E-06	.004	.003	2.449E-09	10.24	.74	.50	.003
28	0.0	-3.76	3.86	-3.76	-7.62	3.72	-7.62	1.758E-05	.009	.007	1.480E-08	10.24	.74	.50	.009
29	0.0	-3.81	3.81	-3.81	-7.62	2.44	-7.62	1.077E-05	.005	.004	5.554E-09	10.24	.74	.50	.005
30	0.0	-3.81	3.79	-3.83	-7.62	1.16	-7.62	8.036E-05	.040	.032	3.094E-07	10.24	.74	.50	.039
31	0.0	-3.97	3.75	-3.97	-7.62	.33	-7.62	1.078E-03	.530	.426	5.562E-05	10.24	.74	.50	.516
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	2.128E-03	1.027	.841	2.129E-04	10.36	.75	.50	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	2.700E-03	1.116	1.067	2.934E-04	11.22	.81	.50	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	2.734E-03	1.080	1.080	2.875E-04	11.56	.83	.50	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	2.585E-03	1.059	1.021	2.664E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.20	0.00	7.20	1.926E-03	.876	.761	1.643E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	9.036E-04	.416	.357	3.660E-05	10.41	.76	.50	.475
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	1.214E-04	.056	.048	6.682E-07	10.41	.76	.50	.064
39	0.0	-3.81	3.82	-3.80	7.62	2.35	7.62	2.655E-05	.012	.011	3.184E-08	10.41	.76	.50	.014
40	0.0	-3.80	3.82	-3.80	7.62	3.62	7.62	2.849E-05	.013	.011	3.639E-08	10.41	.76	.50	.015
41	0.0	-3.67	3.95	-3.67	7.62	5.04	7.62	2.055E-05	.009	.008	1.893E-08	10.41	.76	.50	.011
42	0.0	-3.62	4.00	-3.62	7.62	5.68	7.62	1.981E-05	.009	.008	1.759E-08	10.41	.76	.50	.010
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	2.393E-06	.001	.001	2.719E-10	10.24	.74	.50	.002
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	1.004E-05	.005	.004	4.832E-09	10.24	.74	.50	.006
45	0.0	-7.32	.30	-7.32	-7.62	3.72	-7.62	2.008E-05	.010	.008	1.932E-08	10.24	.74	.50	.020
46	0.0	-7.36	.26	-7.36	-7.62	2.37	-7.62	2.049E-05	.010	.008	2.011E-08	10.24	.74	.50	.021
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	7.419E-05	.036	.029	2.637E-07	10.24	.74	.50	.075

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PH	GAMMA (DEG)	(CURVE (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	5.131E-04	.252	.203	1.261E-05	10.24	.76	.50	.519
49	0.0	-7.27	.35	-7.27	-7.30	0.00	-7.30	1.007E-03	.497	.398	4.779E-05	10.34	.75	.50	
50	0.0	-7.33	.29	-7.33	-3.69	0.00	-3.69	1.314E-03	.543	.519	6.940E-05	11.23	.81	.53	
51	0.0	-7.44	.22	-7.44	0.00	0.00	0.00	1.272E-03	.503	.503	6.225E-05	11.56	.83	.50	
52	0.0	-7.58	.08	-7.59	3.58	3.00	3.58	1.159E-03	.479	.462	5.447E-05	11.33	.82	.50	
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	6.350E-04	.288	.251	1.783E-05	10.53	.77	.50	
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	4.594E-04	.211	.182	9.460E-06	10.41	.76	.50	.733
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	1.304E-04	.060	.052	7.622E-07	10.41	.76	.50	.208
56	0.0	-7.25	.37	-7.25	7.62	2.32	7.62	3.572E-05	.017	.015	6.045E-08	10.41	.76	.50	.059
57	0.0	-7.26	.36	-7.26	7.62	3.70	7.62	3.778E-05	.017	.015	6.398E-08	10.41	.76	.50	.061
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	2.923E-05	.013	.012	3.831E-08	10.41	.76	.50	.047
59	0.0	-7.25	.37	-7.25	7.62	5.62	7.62	1.246E-05	.006	.005	6.961E-09	10.41	.76	.50	.020
60	0.0	-7.85	0.00	-7.62	-7.14	.27	-7.14	4.650E-04	.234	.192	1.103E-05	10.39	.75	.50	.480
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	7.353E-05	.039	.031	2.997E-07	10.33	.75	.50	.379
62	0.0	-9.92	0.00	-7.62	-7.13	2.34	-7.13	2.109E-05	.010	.008	2.080E-08	10.40	.75	.50	.021
63	0.0	-11.29	0.00	-7.62	-7.19	3.71	-7.19	2.002E-05	.010	.008	1.873E-08	10.38	.75	.50	.020
64	0.0	-12.64	0.00	-7.62	-7.14	5.02	-7.14	9.220E-06	.004	.004	3.977E-09	10.39	.75	.50	.009
65	0.0	-13.22	0.00	-7.62	-7.14	5.63	-7.14	7.159E-06	.003	.003	2.405E-09	10.39	.75	.50	.007
66	0.0	-7.98	0.00	-7.62	-3.44	.36	-3.44	5.933E-04	.244	.234	1.489E-05	11.27	.81	.53	.449
67	0.0	-8.82	0.00	-7.62	-3.44	1.19	-3.44	8.125E-05	.033	.032	2.641E-07	11.27	.81	.50	.052
68	0.0	-10.26	0.00	-7.62	-3.45	2.44	-3.45	1.312E-05	.005	.005	6.883E-09	11.26	.81	.53	.010
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	6.940E-06	.003	.003	1.874E-09	11.26	.81	.53	.005
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	1.389E-06	.001	.001	7.713E-11	11.26	.81	.50	.001
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	8.300E-06	.004	.004	3.167E-09	11.27	.81	.53	.007
72	0.0	-8.07	0.00	-7.62	0.00	.38	0.00	6.606E-06	.003	.003	1.679E-09	11.56	.83	.53	.005
73	0.0	-8.85	0.00	-7.62	0.00	1.15	0.00	1.029E-04	.041	.041	4.074E-07	11.56	.83	.53	.091
74	0.0	-10.07	0.00	-7.62	0.00	2.37	0.00	1.529E-05	.006	.006	1.022E-08	11.56	.83	.50	.013
75	0.0	-11.44	0.00	-7.62	0.00	3.70	0.00	1.309E-05	.005	.005	6.593E-09	11.56	.83	.50	.010
76	0.0	-12.69	0.00	-7.62	0.00	4.99	0.00	5.490E-06	.002	.002	1.163E-09	11.56	.83	.50	.004
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	1.456E-05	.006	.006	8.156E-09	11.56	.83	.53	.011
78	0.0	-8.04	0.00	-7.62	3.59	.38	3.59	4.339E-04	.202	.195	9.731E-06	11.32	.82	.53	.423
79	0.0	-8.82	0.00	-7.62	3.63	1.17	3.63	1.170E-04	.048	.046	5.464E-07	11.32	.82	.53	.100
80	0.0	-10.07	0.00	-7.62	3.60	2.42	3.60	2.509E-05	.011	.010	2.716E-08	11.32	.82	.53	.022
81	0.0	-11.41	0.00	-7.62	3.55	3.76	3.55	2.450E-05	.011	.010	2.393E-08	11.33	.82	.53	.021
82	0.0	-12.75	0.00	-7.62	3.58	5.08	3.59	3.218E-05	.013	.013	4.124E-08	11.33	.82	.53	.029
83	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	2.286E-05	.009	.009	2.085E-08	11.32	.82	.53	.020
84	0.0	-7.81	0.00	-7.62	7.62	.31	7.33	4.077E-04	.186	.161	7.374E-06	10.50	.76	.50	.644
85	0.0	-8.58	0.00	-7.62	7.36	1.00	7.36	1.149E-04	.052	.045	5.864E-07	10.49	.76	.53	.162
86	0.0	-9.86	0.00	-7.62	7.36	2.36	7.36	4.516E-05	.021	.018	9.055E-08	10.49	.76	.53	.071
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	3.322E-05	.015	.013	4.897E-08	10.50	.76	.53	.052
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	3.041E-05	.014	.012	4.102E-08	10.50	.76	.53	.048
89	0.0	-13.15	0.00	-7.62	7.35	5.66	7.35	2.038E-05	.009	.008	1.844E-08	10.50	.76	.53	.032

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

FFHT TEST (32), MDAC-E RST GAPS, RUN (117) 1973

MACH = 10.290
PX E06 = 3.339E-01
PL E06 = 8.347E-02
PE/METER = 3.286E+05
HO = 2.554E+00(W/M2- K)
TW = 299.9 (K)
STEP = -.168(CM)

TT = 9.998E+02(K)
PI = 5.182E+06(N/M2)
TI = 4.708E+01(K)
PI = 0.985E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

TAW/TT =1.39E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	8.075E-06	.004	.003	3.082E-09	10.32	.75	.50	.005
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	2.429E-05	.012	.010	2.788E-08	10.32	.75	.50	.016
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	1.722E-05	.008	.007	1.402E-08	10.32	.75	.50	.011
12	15.0	0.00	7.62	0.00	-7.62	2.36	-7.36	1.056E-05	.005	.004	5.276E-09	10.32	.75	.50	.007
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	7.468E-05	.036	.030	2.636E-07	10.32	.75	.50	.048
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	6.507E-04	.321	.261	2.063E-05	10.32	.75	.50	.429
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	1.566E-03	.749	.619	1.141E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	2.959E-03	1.217	1.169	3.509E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	2.853E-03	1.131	1.131	3.153E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	2.745E-03	1.122	1.085	2.996E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	1.785E-03	.804	.705	1.396E-04	10.59	.77	.50	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	1.123E-05	.005	.004	5.593E-09	10.49	.76	.50	.006
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	1.371E-04	.063	.054	8.343E-07	10.49	.76	.50	.076
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	2.770E-05	.013	.011	3.405E-08	10.49	.76	.50	.016
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	6.577E-06	.004	.003	3.265E-09	10.49	.76	.50	.005
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	1.993E-05	.009	.008	1.763E-08	10.49	.76	.50	.011
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	3.585E-05	.016	.014	5.705E-08	10.49	.76	.50	.020
26	15.0	-3.76	3.96	-3.76	-7.62	5.78	-8.33	1.046E-05	.005	.004	5.464E-09	9.99	.73	.50	.006
27	15.0	-3.80	3.92	-3.80	-7.62	5.04	-8.34	1.615E-05	.008	.006	1.302E-08	9.98	.73	.50	.009
28	15.0	-3.76	3.96	-3.76	-7.62	3.72	-8.33	7.224E-06	.004	.003	2.603E-09	9.99	.73	.50	.004
29	15.0	-3.81	3.81	-3.91	-7.62	2.44	-8.35	9.300E-06	.005	.004	4.320E-09	9.98	.73	.50	.005
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	7.008E-05	.036	.028	2.454E-07	9.98	.73	.50	.241
31	15.0	-3.87	3.75	-3.87	-7.62	.33	-8.36	8.384E-04	.415	.319	3.267E-05	9.98	.73	.50	.470
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	1.760E-03	.884	.695	1.515E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	2.611E-03	1.116	1.032	2.836E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	2.721E-03	1.084	1.075	2.879E-04	11.52	.83	.50	
35	15.0	-3.83	3.73	-3.89	3.59	0.00	2.46	2.739E-03	1.100	1.079	2.922E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.06	1.762E-03	.776	.704	1.346E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	8.242E-04	.363	.326	2.908E-05	10.77	.78	.50	.467
38	15.0	-3.74	3.98	-3.74	7.62	1.15	6.39	1.305E-04	.057	.052	7.295E-07	10.76	.78	.50	.074
39	15.0	-3.90	3.92	-3.80	7.62	2.35	6.38	1.886E-05	.008	.007	1.522E-08	10.77	.78	.50	.011
40	15.0	-3.90	3.92	-3.80	7.62	3.62	6.38	1.542E-05	.007	.006	1.017E-08	10.77	.78	.50	.009
41	15.0	-3.67	3.95	-3.67	7.62	5.04	6.41	1.603E-05	.007	.006	1.101E-08	10.76	.78	.50	.009
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	2.137E-05	.009	.008	1.958E-08	10.76	.78	.50	.012
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	3.485E-06	.002	.001	6.382E-10	9.63	.71	.50	.004
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	6.576E-06	.004	.003	2.342E-09	9.63	.71	.50	.008
45	15.0	-7.32	.30	-7.32	-7.62	3.72	-9.25	1.312E-05	.007	.005	9.046E-09	9.63	.71	.50	.015
46	15.0	-7.36	.26	-7.36	-7.62	2.37	-9.26	2.075E-05	.011	.008	2.264E-08	9.63	.71	.50	.024
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	6.898E-05	.037	.027	2.501E-07	9.63	.71	.50	.079

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

DEMT TEST (32), MDAC-E RSI GAPS, RUN (117) 1973 PAGE 290

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	15.0	-7.26	.36	-7.26	-7.62	.33	-9.24	4.420E-04	.238	.175	1.825E-05	9.64	.71	.50	.507
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	8.859E-04	.470	.350	4.060E-05	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	-3.69	0.00	-5.46	1.202E-03	.533	.475	6.233E-05	10.86	.79	.50	
51	15.0	-7.40	.22	-7.40	0.00	0.00	-1.92	1.256E-03	.504	.496	6.158E-05	11.46	.82	.50	
52	15.0	-7.58	.04	-7.58	3.58	0.00	1.50	1.236E-03	.494	.488	5.944E-05	11.53	.83	.50	
53	15.0	-7.16	.46	-7.16	7.24	0.00	5.14	5.881E-04	.249	.232	1.426E-05	11.06	.80	.50	
54	15.0	-7.25	.36	-7.26	7.62	.31	5.48	4.066E-04	.174	.161	6.888E-06	10.99	.79	.50	.699
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	1.288E-04	.055	.051	6.907E-07	10.99	.79	.50	.221
56	15.0	-7.25	.37	-7.25	7.62	2.32	5.48	4.201E-05	.018	.017	7.351E-08	10.98	.79	.50	.072
57	15.0	-7.25	.36	-7.26	7.62	3.70	5.48	2.316E-05	.010	.009	2.235E-08	10.98	.79	.50	.040
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	2.236E-05	.010	.009	2.083E-08	10.98	.79	.50	.038
59	15.0	-7.25	.37	-7.25	7.62	5.62	5.48	1.257E-05	.005	.005	6.585E-09	10.98	.79	.50	.022
60	15.0	-7.95	0.00	-7.62	-7.14	.27	-8.87	4.248E-04	.225	.168	9.282E-06	9.79	.72	.50	.477
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.07	5.536E-05	.030	.022	1.652E-07	9.71	.71	.50	.064
62	15.0	-8.92	0.00	-7.62	-7.13	2.34	-8.86	1.443E-05	.007	.006	1.011E-08	9.79	.72	.50	.016
63	15.0	-11.29	0.00	-7.62	-7.19	3.71	-8.92	1.201E-05	.006	.005	7.444E-09	9.77	.71	.50	.014
64															
65															
66	15.0	-7.98	0.00	-7.62	-3.44	.36	-5.30	5.422E-04	.239	.214	1.259E-05	10.90	.79	.50	.448
67	15.0	-8.81	0.00	-7.62	-3.44	1.19	-5.30	6.362E-05	.028	.025	1.734E-07	10.90	.79	.50	.053
68	15.0	-10.06	0.00	-7.62	-3.45	2.44	-5.30	8.252E-07	.000	.000	2.925E-11	10.90	.79	.50	.001
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	4.784E-06	.002	.002	9.832E-10	10.89	.79	.50	.004
70															
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	1.305E-05	.005	.005	7.283E-09	10.91	.79	.50	.011
72															
73	15.0	-8.85	0.00	-7.62	0.00	1.15	-1.97	1.048E-04	.042	.041	4.289E-07	11.45	.82	.50	.083
74	15.0	-10.17	0.00	-7.62	0.00	2.37	-1.97	1.409E-05	.006	.006	7.751E-09	11.45	.82	.50	.011
75	15.0	-11.40	0.00	-7.62	0.00	3.70	-1.97	1.505E-05	.006	.006	8.850E-09	11.45	.82	.50	.012
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	7.161E-06	.003	.003	2.002E-09	11.45	.82	.50	.006
77	15.0	-13.43	0.00	-7.62	0.00	5.74	-1.97	3.479E-07	.000	.000	4.727E-12	11.45	.82	.50	.000
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.50	5.143E-04	.286	.203	1.029E-05	11.53	.83	.50	.416
79	15.0	-8.82	0.00	-7.62	3.63	1.17	1.53	1.101E-04	.044	.044	4.721E-07	11.52	.83	.50	.089
80	15.0	-10.07	0.00	-7.62	3.68	2.42	1.51	1.860E-05	.007	.007	1.345E-08	11.53	.83	.50	.015
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	1.550E-05	.006	.006	9.339E-09	11.53	.83	.50	.013
82	15.0	-12.73	0.00	-7.62	3.58	5.08	1.48	1.741E-05	.007	.007	1.179E-08	11.53	.83	.50	.014
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	1.516E-05	.006	.006	8.965E-09	11.53	.83	.50	.012
84	15.0	-7.93	0.00	-7.62	7.33	.31	5.11	3.727E-04	.158	.147	5.720E-06	11.06	.80	.50	.633
85	15.0	-8.59	0.00	-7.62	7.36	1.09	5.14	1.169E-04	.050	.046	5.635E-07	11.06	.80	.50	.199
86	15.0	-9.86	0.00	-7.62	7.36	2.36	5.14	3.274E-05	.014	.013	4.418E-08	11.06	.80	.50	.056
87	15.0	-11.23	0.00	-7.62	7.33	3.74	5.11	2.917E-05	.012	.012	3.503E-08	11.06	.80	.50	.050
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	2.859E-05	.012	.011	3.366E-08	11.06	.80	.50	.049
89	15.0	-13.16	0.00	-7.62	7.35	5.66	5.13	1.228E-05	.005	.005	6.219E-09	11.06	.80	.50	.021

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CFHT TEST (92), MDAC-E RSI GAPS, RUN (118) 1973 PAGE 291

MACH = 10.290
PX FOR = 3.345E-01
PI EQG = 8.3E3E-02
PE/METER = 3.292E+06
HO = 2.554E+08(W/M2- K)
TW = 300.7 (K)
STEP = -.168(CM)

TT = 9.993E+02(K)
PI = 5.186E+06(N/M2)
T1 = 4.705E+01(K)
P1 = 0.986E+02(N/M2)
(RHO V)1 = 1.034E+01(KG/M2-S)
GAP = .229 (CM)
CONF =STAG

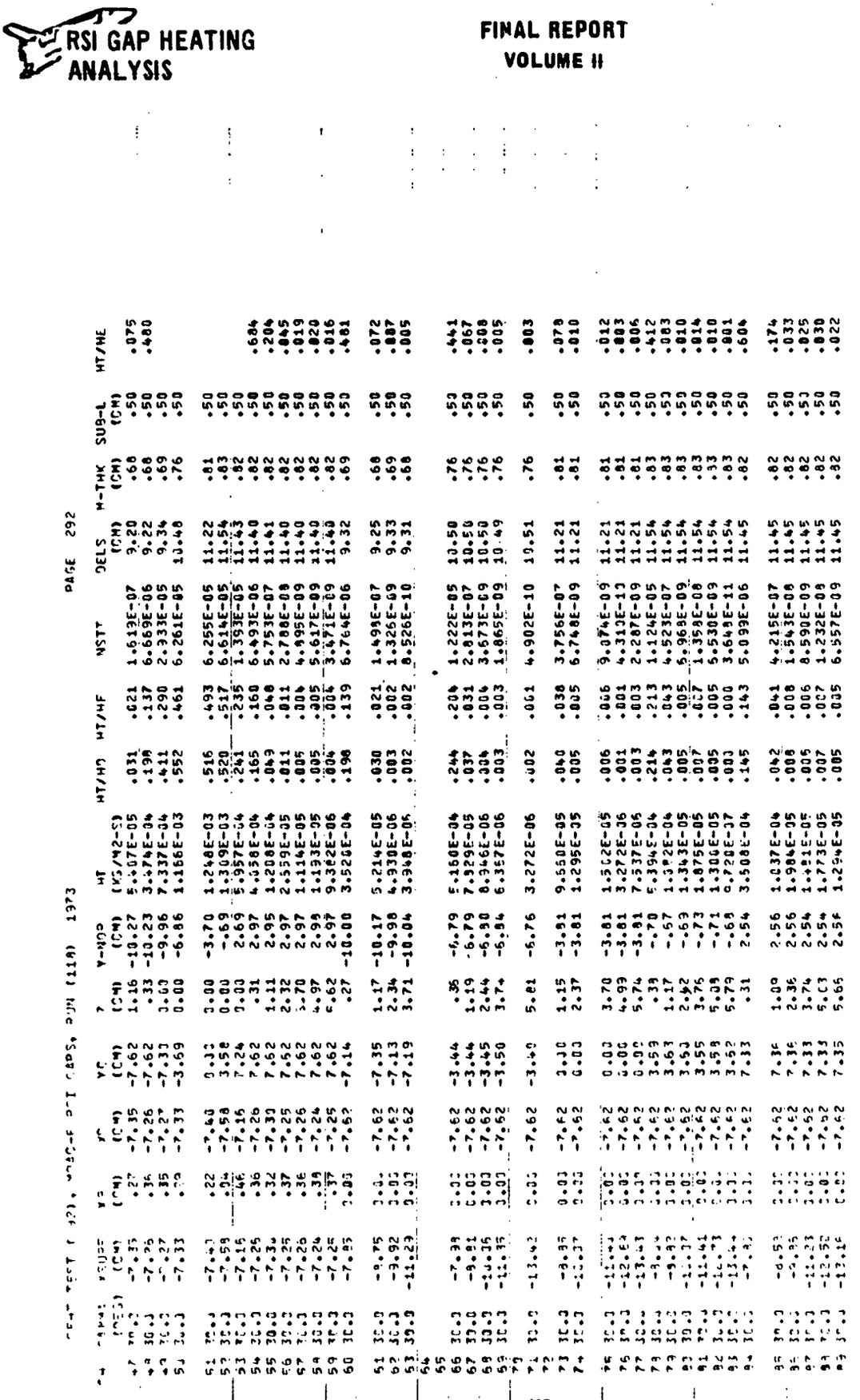
TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	KT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	S.G-L (CM)	HT/ME
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	1.847E-05	.809	.807	1.550E-08	10.56	.77	.50	.814
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	1.417E-05	.807	.806	9.117E-09	10.56	.77	.50	.811
11	30.0	0.00	7.62	0.00	-7.62	3.74	-6.60	4.551E-06	.802	.802	9.412E-10	10.56	.77	.50	.803
12	30.0	0.00	7.62	0.00	-7.62	2.36	-6.60	1.922E-05	.809	.808	1.678E-08	10.56	.77	.50	.815
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	7.228E-05	.834	.829	2.374E-07	10.56	.77	.50	.856
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	5.719E-04	.267	.226	1.486E-05	10.56	.77	.50	.448
15	30.0	0.00	7.62	0.00	-7.29	0.00	-6.32	1.320E-03	.698	.521	7.798E-05	10.64	.77	.50	
16	30.0	0.00	7.62	0.00	-3.63	0.00	-3.15	3.007E-03	1.228	1.188	3.588E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	2.934E-03	1.159	1.159	3.306E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	2.718E-03	1.104	1.074	2.917E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	1.771E-03	.777	.700	1.337E-04	10.79	.78	.50	
20	30.0	0.00	7.62	0.00	7.62	.41	6.60	4.026E-06	.802	.802	6.987E-10	10.71	.78	.50	.802
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.348E-04	.860	.853	7.828E-07	10.71	.78	.50	.877
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	1.882E-05	.808	.807	1.527E-08	10.71	.78	.50	.811
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	1.705E-05	.808	.807	1.253E-08	10.71	.78	.50	.810
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	1.515E-05	.807	.806	9.899E-09	10.71	.78	.50	.809
25	30.0	0.00	7.62	0.00	7.62	5.73	6.66	8.510E-06	.804	.803	3.121E-09	10.71	.78	.50	.805
26	30.0	-3.76	3.86	-3.76	-7.62	5.70	-8.48	4.988E-06	.803	.802	1.251E-09	9.93	.72	.50	.803
27	30.0	-3.80	3.82	-3.80	-7.62	5.04	-8.50	3.854E-05	.802	.802	7.513E-10	9.93	.72	.50	.803
28	30.0	-3.76	3.86	-3.76	-7.62	3.72	-8.48	7.178E-06	.804	.803	2.590E-09	9.93	.72	.50	.805
29	30.0	-3.81	3.81	-3.81	-7.62	2.44	-8.51	1.226E-06	.801	.800	7.569E-11	9.93	.72	.50	.801
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	6.242E-05	.832	.825	1.963E-07	9.92	.72	.50	.844
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	6.438E-04	.334	.254	2.890E-05	9.91	.72	.50	.452
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	1.453E-03	.738	.574	1.043E-04	10.05	.73	.50	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	2.605E-03	1.140	1.029	2.887E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	2.749E-03	1.183	1.086	2.947E-04	11.45	.82	.50	
35	30.0	-3.89	3.73	-3.89	3.59	0.00	1.17	2.839E-03	1.132	1.122	3.124E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	1.893E-03	.789	.748	1.451E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	8.797E-04	.369	.348	3.154E-05	11.14	.80	.50	.468
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	1.270E-04	.053	.050	6.576E-07	11.14	.80	.50	.068
39	30.0	-3.80	3.82	-3.80	7.62	2.35	4.78	1.187E-05	.005	.005	5.736E-09	11.14	.80	.50	.006
40	30.0	-3.80	3.82	-3.80	7.62	3.62	4.70	1.085E-05	.005	.004	4.800E-09	11.14	.80	.50	.006
41															
42	30.0	-3.62	4.00	-3.62	7.62	5.68	4.79	9.889E-06	.004	.004	3.993E-09	11.13	.80	.50	.005
43	30.0	-7.35	.27	-7.35	-7.62	5.70	-10.27	4.125E-06	.002	.002	9.423E-10	9.20	.68	.50	.006
44	30.0	-7.33	.29	-7.33	-7.62	4.91	-10.26	4.076E-06	.002	.002	9.197E-10	9.21	.68	.50	.006
45	30.0	-7.32	.30	-7.32	-7.62	3.72	-10.26	7.116E-06	.004	.003	2.797E-09	9.21	.68	.50	.010
46	30.0	-7.36	.26	-7.36	-7.62	2.37	-10.28	1.131E-05	.006	.004	7.087E-09	9.20	.68	.50	.016

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.



MACH = 10.290 TT = 3.980E+02(K)
RX EQB = 3.352E-01 PI = 5.144E+06(N/M2)
RL EFF = 8.33JE-02 T1 = 4.69?E+01(K)
RE/METER = 3.299E+05 P1 = 0.985E+02(N/M2)
HO = 2.564E+03(W/M2- K) (RHO V)1 = 1.034E+01(KG/M2-S)
TW = 300.0 (K) GAP = .229 (CM)
STEP = -.169(CM) CONF =STAG

TAW/TT =0.?3E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 FOR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	3.00	7.62	5.70	7.62	2.236E-05	.010	.009	2.235E-08	10.41	.76	.50	.012
10	0.0	0.00	7.62	0.00	7.62	5.03	7.62	3.094E-05	.014	.012	4.252E-08	10.41	.76	.50	.017
11	0.0	0.00	7.62	0.00	7.62	3.74	7.62	2.290E-05	.010	.009	2.324E-09	10.41	.76	.50	.013
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	1.265E-05	.006	.005	7.161E-09	10.41	.76	.50	.007
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	1.135E-04	.052	.045	5.757E-07	10.41	.76	.50	.063
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	8.478E-04	.390	.335	3.215E-05	10.41	.76	.50	.473
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	1.812E-03	.824	.716	1.451E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	2.838E-03	1.163	1.122	3.208E-04	11.32	.82	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.857E-03	1.129	1.129	3.134E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	2.827E-03	1.164	1.117	3.199E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	1.763E-03	.852	.697	1.453E-04	10.35	.75	.50	
20															
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	1.122E-04	.055	.044	6.012E-07	10.24	.74	.50	.065
22	0.0	0.00	7.62	3.00	-7.62	2.39	-7.62	2.278E-05	.011	.009	2.480E-09	10.24	.74	.50	.013
23	0.0	0.00	7.62	3.00	-7.62	3.70	-7.62	1.857E-05	.009	.007	1.648E-09	10.24	.74	.50	.011
24	0.0	0.00	7.62	3.00	-7.62	5.07	-7.62	1.857E-05	.009	.007	1.648E-09	10.24	.74	.50	.011
25	0.0	0.00	7.62	3.00	-7.62	5.73	-7.62	2.339E-05	.010	.008	1.988E-08	10.24	.74	.50	.012
26	0.0	7.76	11.38	3.76	7.62	5.70	7.62	1.299E-05	.006	.005	7.545E-09	10.41	.76	.50	.006
27	0.0	3.90	11.42	3.90	7.62	5.04	7.62	1.244E-05	.005	.004	4.472E-09	10.41	.76	.50	.005
28	0.0	3.76	11.38	3.76	7.62	3.72	7.62	1.287E-05	.006	.005	7.411E-09	10.41	.76	.50	.006
29	0.0	3.91	11.43	3.91	7.62	2.44	7.62	5.348E-06	.002	.002	1.279E-09	10.41	.76	.50	.003
30	0.0	3.93	11.45	3.93	7.62	1.15	7.62	1.001E-04	.046	.040	4.479E-07	10.41	.76	.50	.050
31	0.0	3.97	11.49	3.97	7.62	.33	7.62	9.577E-04	.441	.378	4.102E-05	10.41	.76	.50	.478
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	2.033E-03	.923	.803	1.823E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.505E-03	1.069	1.030	2.708E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.584E-03	1.021	1.021	2.564E-04	11.56	.83	.50	
35	0.0	3.89	11.51	3.89	-3.59	0.00	-3.59	2.707E-03	1.116	1.070	2.934E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	1.738E-03	.841	.687	1.420E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	6.858E-04	.337	.271	2.248E-05	10.24	.74	.50	.401
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	8.298E-05	.041	.033	3.291E-07	10.24	.74	.50	.049
39	0.0	3.80	11.42	3.80	-7.62	2.35	-7.62	1.984E-05	.010	.008	1.581E-08	10.24	.74	.50	.012
40	0.0	3.80	11.42	3.80	-7.62	3.62	-7.62	3.179E-06	.002	.001	4.831E-10	10.24	.74	.50	.002
41	0.0	3.87	11.23	3.87	-7.62	5.04	-7.62	1.137E-05	.005	.004	2.143E-09	10.24	.74	.50	.006
42	0.0	3.62	11.24	3.62	-7.62	5.68	-7.62	6.770E-06	.003	.003	2.191E-09	10.24	.74	.50	.004
43	0.0	7.35	14.97	7.35	7.62	5.70	7.62	1.999E-06	.001	.001	1.596E-10	10.41	.76	.50	.002
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	3.882E-06	.002	.002	6.741E-10	10.41	.76	.50	.003
45	0.0	7.32	14.94	7.32	7.62	3.72	7.62	7.688E-06	.004	.003	2.633E-09	10.41	.76	.50	.006
46	0.0	7.36	14.98	7.36	7.62	2.37	7.62	1.984E-05	.009	.008	1.781E-09	10.41	.76	.50	.016

RETRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CM	GEOMB (DEG)	XCURF (CM)	XB (CM)	XC (CM)	YC (CM)	Y (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSET	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	7.35	14.97	7.35	7.62	1.16	7.62	1.532E-04	.071	.061	1.050E-05	10.41	.76	.50	.125
48	0.0	7.26	14.98	7.26	7.62	.33	7.62	6.830E-04	.314	.270	2.086E-05	10.41	.76	.50	.558
49	0.0	7.27	14.99	7.27	7.30	3.00	7.30	1.239E-03	.564	.489	6.783E-05	10.51	.76	.50	
50	0.0	7.33	14.95	7.33	3.69	3.00	3.69	1.447E-03	.593	.572	8.339E-05	11.31	.82	.50	
51	0.0	7.41	15.02	7.43	0.00	0.00	0.00	1.402E-03	.554	.554	7.546E-05	11.56	.83	.50	
52	0.0	7.58	15.20	7.58	-3.58	3.00	-3.58	1.544E-03	.636	.610	9.543E-05	11.24	.81	.50	
53	0.0	7.16	14.78	7.16	-7.24	3.00	-7.24	1.207E-03	.583	.477	6.933E-05	10.36	.75	.50	
54	0.0	7.26	14.89	7.26	-7.62	.31	-7.62	7.874E-04	.387	.311	2.963E-05	10.24	.74	.50	.665
55	0.0	7.31	14.92	7.30	-7.62	1.11	-7.62	2.058E-04	.101	.081	2.024E-06	10.24	.74	.50	.174
56	0.0	7.25	14.87	7.25	-7.62	2.32	-7.62	1.076E-05	.005	.004	5.532E-09	10.24	.74	.50	.009
57	0.0	7.26	14.89	7.26	-7.62	3.70	-7.62	6.529E-08	.000	.000	2.103E-13	10.24	.74	.50	.000
58															
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	5.286E-06	.003	.002	1.336E-09	10.24	.74	.50	.004
60	0.0	7.65	15.24	7.62	7.14	.27	7.14	8.517E-04	.385	.337	3.189E-05	10.56	.77	.50	.684
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	1.952E-04	.089	.077	1.687E-06	10.50	.76	.50	.158
62	0.0	9.92	15.24	7.62	7.13	2.34	7.13	1.298E-05	.006	.005	7.401E-09	10.56	.77	.50	.010
63	0.0	11.29	15.24	7.62	7.19	3.71	7.19	1.908E-05	.009	.007	1.443E-08	10.54	.77	.50	.015
64	0.0	12.61	15.24	7.62	7.14	5.02	7.14	1.155E-05	.005	.005	5.863E-09	10.56	.77	.50	.009
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	9.364E-06	.004	.004	4.311E-09	10.56	.77	.50	.008
66	0.0	7.10	15.24	7.62	3.44	.36	3.44	9.433E-04	.386	.373	3.533E-05	11.35	.82	.50	.650
67	0.0	8.41	15.24	7.62	3.44	1.19	3.44	1.746E-04	.071	.069	1.210E-06	11.35	.82	.50	.120
68	0.0	13.35	15.24	7.62	3.45	2.44	3.45	1.555E-05	.006	.006	9.721E-09	11.34	.82	.50	.011
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	9.287E-06	.004	.004	3.427E-09	11.34	.82	.50	.006
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	9.547E-06	.004	.004	3.696E-09	11.34	.82	.50	.007
71	0.0	13.42	15.24	7.62	3.40	5.81	3.40	1.090E-05	.004	.004	4.714E-09	11.35	.82	.50	.008
72	0.0	8.07	15.24	7.62	0.00	.38	0.00	1.054E-06	.000	.000	4.267E-11	11.56	.83	.50	.001
73	0.0	8.85	15.24	7.62	0.00	1.15	0.00	1.817E-04	.072	.072	1.267E-06	11.56	.83	.50	.130
74	0.0	10.07	15.24	7.62	0.00	2.37	0.00	1.731E-05	.007	.007	1.231E-08	11.56	.83	.50	.013
75	0.0	11.40	15.24	7.62	0.00	3.70	0.00	1.486E-05	.006	.005	8.478E-09	11.56	.83	.50	.011
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	9.258E-06	.004	.004	3.290E-09	11.56	.83	.50	.007
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	1.334E-05	.004	.004	4.109E-09	11.56	.83	.50	.007
78	0.0	8.04	15.24	7.62	-3.59	.38	-3.59	1.006E-03	.415	.398	4.055E-05	11.24	.81	.50	.652
79	0.0	8.82	15.24	7.62	-3.63	1.17	-3.63	1.921E-04	.079	.076	1.479E-06	11.24	.81	.50	.125
80	0.0	10.07	15.24	7.62	-3.60	2.42	-3.60	5.991E-06	.002	.002	1.439E-09	11.24	.81	.50	.004
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	1.299E-05	.005	.005	6.752E-09	11.25	.81	.50	.008
82	0.0	12.73	15.24	7.62	-3.58	5.08	-3.58	1.198E-05	.005	.004	4.829E-09	11.24	.81	.50	.007
83															
84	0.0	7.30	15.24	7.62	-7.33	.31	-7.33	1.133E-03	.550	.448	6.353E-05	10.33	.75	.50	.943
85	0.0	8.56	15.24	7.62	-7.36	1.09	-7.36	2.737E-04	.133	.108	3.533E-06	10.32	.75	.50	.229
86	0.0	9.85	15.24	7.62	-7.36	2.36	-7.36	4.216E-06	.002	.002	8.384E-10	10.32	.75	.50	.004
87	0.0	11.23	15.24	7.62	-7.37	3.74	-7.33	1.337E-05	.006	.005	8.424E-09	10.33	.75	.50	.011
88	0.0	11.97	15.24	7.62	-7.33	5.03	-7.33	8.315E-06	.004	.003	3.497E-09	10.33	.75	.50	.007
89	0.0	12.19	15.24	7.62	-7.35	5.66	-7.35	5.718E-07	.000	.000	1.602E-11	10.33	.75	.50	.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
P∞ FOR = 5.771E-01
PL EQN = 8.213E-02
PE/METER = 3.233E+06
H∞ = 2.554E+00(M/M2- K)
TW = 297.4 (K)
STEP = 0.000(CM)

TT = 1.007E+03(K)
PI = 5.168E+06(N/M2)
T1 = 4.743E+01(K)
P1 = 0.981E+02(N/M2)
(RHO V)1 = 1.025E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.89F FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (=0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KJ/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.70	0.00	4.013E-06	.002	.002	6.239E-10	11.56	.83	.50	.003
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	1.525E-05	.006	.006	9.014E-09	11.56	.83	.50	.012
11															
12															
13	90.0	8.83	7.62	0.00	7.62	1.14	0.00	2.608E-05	.010	.010	2.636E-08	11.56	.83	.50	.020
14	90.0	8.02	7.62	0.00	7.62	.33	0.00	2.338E-04	.092	.092	2.118E-06	11.56	.83	.50	.180
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.300E-03	.514	.514	6.551E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	2.994E-03	1.143	1.143	3.244E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.085E-03	1.187	1.187	3.498E-04	11.56	.83	.50	
18	90.0	-3.64	7.62	0.00	-3.64	0.00	0.00	3.070E-03	1.213	1.213	3.651E-04	11.56	.83	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	3.113E-03	1.230	1.230	3.754E-04	11.56	.83	.50	
20	90.0	-7.97	7.62	0.00	-7.62	.41	0.00	1.208E-06	.000	.000	5.649E-11	11.56	.83	.50	.000
21	90.0	-8.72	7.62	0.00	-7.62	1.17	0.00	3.420E-04	.135	.135	4.532E-06	11.56	.83	.50	.110
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	4.990E-05	.020	.020	9.648E-08	11.56	.83	.50	.016
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	4.433E-05	.018	.018	7.612E-08	11.56	.83	.50	.014
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	2.699E-05	.011	.011	2.823E-08	11.56	.83	.50	.009
25	90.0	-13.28	7.62	0.00	-7.62	5.73	0.00	2.545E-05	.010	.010	2.589E-08	11.56	.83	.50	.008
26	90.0	13.35	3.86	-3.76	7.62	5.70	-3.76	1.312E-05	.005	.005	6.979E-09	11.21	.81	.50	.008
27	90.0	12.68	3.82	-3.80	7.62	5.04	-3.80	1.159E-05	.005	.005	5.450E-09	11.21	.81	.50	.007
28	90.0	11.35	3.86	-3.76	7.62	3.72	-3.76	3.483E-05	.014	.014	4.919E-08	11.21	.81	.50	.020
29	90.0	10.08	3.81	-3.81	7.62	2.44	-3.81	1.564E-04	.069	.066	1.124E-06	11.20	.81	.50	.095
30	90.0	8.90	3.79	-3.83	7.62	1.15	-3.83	4.308E-04	.179	.170	7.541E-06	11.20	.81	.50	.247
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	7.847E-04	.326	.310	2.506E-05	11.20	.81	.50	.451
32	90.0	7.24	3.83	-3.79	7.24	0.00	-3.79	1.744E-03	.722	.689	1.234E-05	11.21	.81	.50	
33	90.0	3.71	3.70	-3.92	3.71	0.00	-3.92	2.894E-03	1.204	1.144	3.417E-04	11.19	.81	.50	
34	90.0	0.00	3.67	-3.95	0.00	0.00	-3.95	3.006E-03	1.252	1.188	3.690E-04	11.18	.81	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.89	3.319E-03	1.379	1.312	4.487E-04	11.19	.81	.50	
36	90.0	-7.28	3.88	-3.74	-7.28	0.00	-3.74	3.837E-03	1.597	1.516	5.967E-04	11.22	.81	.50	
37	90.0	-7.97	3.83	-3.79	-7.62	.37	-3.79	2.271E-03	.940	.897	2.893E-04	11.21	.81	.50	.593
38	90.0	-8.75	3.88	-3.74	-7.62	1.15	-3.74	2.551E-04	.110	.105	2.850E-06	11.22	.81	.50	.069
39	90.0	-9.35	3.92	-3.90	-7.62	2.35	-3.80	2.733E-05	.011	.011	3.832E-09	11.21	.81	.50	.007
40	90.0	-11.22	3.82	-3.80	-7.62	3.62	-3.80	1.355E-05	.005	.005	7.567E-09	11.21	.81	.50	.004
41	90.0	-12.54	3.95	-3.67	-7.62	5.04	-3.67	2.926E-06	.001	.001	3.466E-10	11.23	.81	.50	.001
42	90.0	-13.29	4.00	-3.62	-7.62	5.68	-3.62	1.730E-05	.007	.007	1.211E-08	11.24	.81	.50	.004
43	90.0	13.37	.27	-7.35	7.62	5.70	-7.35	1.194E-05	.006	.005	6.784E-09	10.33	.75	.50	.005
44	90.0	12.57	.29	-7.33	7.62	4.91	-7.33	1.440E-05	.007	.006	9.858E-09	10.33	.75	.50	.006
45	90.0	11.39	.30	-7.32	7.62	3.72	-7.32	3.355E-05	.015	.012	4.435E-08	10.34	.75	.50	.012
46	90.0	10.03	.26	-7.36	7.62	2.37	-7.36	2.498E-04	.121	.099	2.970E-06	10.33	.75	.50	.096
47	90.0	8.82	.27	-7.35	7.62	1.16	-7.35	4.571E-04	.222	.181	9.943E-06	10.33	.75	.50	.176

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	90.0	7.99	.36	-7.26	7.62	.33	-7.26	1.363E-03	.659	.538	9.800E-05	10.36	.75	.50	.522
49	90.0	7.31	.35	-7.27	7.30	0.00	-7.27	2.511E-03	1.263	1.032	3.232E-04	10.35	.75	.50	
50	90.0	3.69	.29	-7.33	3.69	0.00	-7.33	3.717E-03	1.803	1.469	6.569E-04	10.33	.75	.50	
51	90.0	0.00	.22	-7.40	0.00	0.00	-7.40	3.255E-03	1.594	1.286	5.055E-04	10.31	.75	.50	
52	90.0	-3.59	.27	-7.35	-3.58	0.00	-7.35	2.854E-03	1.385	1.128	3.876E-04	10.33	.75	.50	
53	90.0	-7.24	.46	-7.16	-7.24	0.00	-7.16	2.722E-03	1.309	1.075	3.492E-04	10.39	.75	.50	
54	90.0	-7.99	.36	-7.26	-7.62	.31	-7.26	1.559E-03	.899	.735	1.639E-04	10.36	.75	.50	.687
55	90.0	-8.69	.32	-7.30	-7.62	1.11	-7.30	2.327E-04	.113	.092	2.571E-06	10.34	.75	.50	.086
56	90.0	-8.91	.37	-7.25	-7.62	2.32	-7.25	1.556E-05	.008	.006	1.147E-08	10.36	.75	.50	.006
57	90.0	-11.28	.36	-7.26	-7.62	3.70	-7.26	2.576E-05	.012	.010	3.144E-08	10.36	.75	.50	.010
58	90.0	-12.55	.39	-7.24	-7.62	4.97	-7.24	1.018E-05	.005	.004	4.829E-09	10.36	.75	.50	.004
59	90.0	-13.20	.37	-7.25	-7.62	5.62	-7.25	1.117E-05	.005	.004	5.912E-09	10.36	.75	.50	.004
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	1.799E-03	.885	.711	1.561E-04	10.24	.74	.50	.701
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	4.521E-04	.222	.179	9.859E-06	10.24	.74	.50	.176
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	1.596E-04	.083	.067	1.388E-06	10.24	.74	.50	.066
63	90.0	7.19	0.00	-7.62	7.19	3.71	-7.62	4.332E-05	.021	.017	9.050E-08	10.24	.74	.50	.017
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	7.984E-06	.004	.003	3.075E-09	10.24	.74	.50	.003
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	3.017E-06	.001	.001	4.390E-10	10.24	.74	.50	.001
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	2.700E-03	1.328	1.067	3.516E-04	10.24	.74	.50	.737
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	4.558E-04	.224	.180	9.986E-06	10.24	.74	.50	.124
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	2.178E-05	.011	.009	2.209E-08	10.24	.74	.50	.006
69	90.0	3.50	0.00	-7.62	3.50	3.74	-7.62	1.392E-05	.007	.006	9.351E-09	10.24	.74	.50	.004
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	7.207E-06	.004	.003	2.505E-09	10.24	.74	.50	.002
71	90.0	3.40	0.00	-7.62	3.40	5.81	-7.62	1.071E-05	.005	.004	5.534E-09	10.24	.74	.50	.003
72															
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	2.877E-04	.142	.114	3.992E-06	10.24	.74	.50	.089
74	90.0	0.00	0.00	-7.62	0.00	2.37	-7.62	1.778E-05	.009	.007	1.525E-08	10.24	.74	.50	.006
75	90.0	0.00	0.00	-7.62	0.00	3.70	-7.62	3.569E-05	.018	.014	6.491E-08	10.24	.74	.50	.011
76	90.0	0.00	0.00	-7.62	0.00	4.99	-7.62	1.552E-05	.008	.006	1.161E-08	10.24	.74	.50	.005
77	90.0	0.00	0.00	-7.62	0.00	5.74	-7.62	2.674E-05	.013	.011	3.450E-08	10.24	.74	.50	.008
78	90.0	-3.59	0.00	-7.62	-3.59	.38	-7.62	1.585E-03	.780	.626	1.212E-04	10.24	.74	.50	.563
79	90.0	-3.63	0.00	-7.62	-3.63	1.17	-7.62	1.855E-04	.091	.073	1.660E-06	10.24	.74	.50	.066
80	90.0	-3.60	0.00	-7.62	-3.60	2.42	-7.62	2.898E-05	.014	.011	4.049E-08	10.24	.74	.50	.010
81	90.0	-3.55	0.00	-7.62	-3.55	3.76	-7.62	2.218E-05	.011	.009	2.373E-08	10.24	.74	.50	.008
82	90.0	-3.58	0.00	-7.62	-3.58	5.08	-7.62	9.727E-06	.005	.004	4.563E-09	10.24	.74	.50	.003
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	1.240E-05	.006	.005	7.413E-09	10.24	.74	.50	.004
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	1.556E-03	.814	.654	1.322E-04	10.24	.74	.50	.622
85	90.0	-7.36	0.00	-7.62	-7.36	1.09	-7.62	1.293E-04	.064	.051	8.061E-07	10.24	.74	.50	.049
86	90.0	-7.36	0.00	-7.62	-7.36	2.36	-7.62	1.119E-05	.006	.004	6.036E-09	10.24	.74	.50	.004
87	90.0	-7.33	0.00	-7.62	-7.33	3.74	-7.62	2.366E-05	.012	.009	2.699E-08	10.24	.74	.50	.009
88	90.0	-7.33	0.00	-7.62	-7.33	5.03	-7.62	9.871E-06	.005	.004	4.699E-09	10.24	.74	.50	.004
89	90.0	-7.36	0.00	-7.62	-7.36	5.66	-7.62	2.030E-06	.001	.001	1.987E-10	10.24	.74	.50	.001

437

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

BEST COPY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

WIDTH = 10.230 TT = 1.023E+03(K)
PX FOR = 1.000E+05 PI = 5.167E+06(N/M2)
PL FOR = 7.940E-02 T1 = 4.330E+01(K)
PE/METER = 3.129E+06 P1 = 0.978E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.013E+01(KG/M2-S)
TW =*55E.0 (K) GAP = .711 (CM)
STEP = 0.000(CM) CONF =STAG

TSW/TT =0.89E FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9															
10	92.5	12.72	7.62	3.00	7.62	5.03	.99	1.312E-05	.005	.005	6.795E-09	11.55	.83	.50	.010
11	92.5	11.34	7.62	3.00	7.62	3.74	.99	4.954E-06	.002	.002	9.732E-10	11.55	.83	.50	.004
12	92.5	10.05	7.62	3.00	7.62	2.36	.99	2.032E-05	.008	.008	1.631E-08	11.55	.83	.50	.015
13	92.5	8.83	7.62	3.00	7.62	1.14	.99	6.507E-05	.026	.026	1.724E-07	11.55	.83	.50	.048
14	92.5	8.02	7.62	3.00	7.62	.33	.99	3.189E-04	.127	.126	4.018E-06	11.55	.83	.50	.234
15	92.5	7.29	7.62	3.00	7.29	3.00	.95	1.365E-03	.544	.539	7.360E-05	11.55	.83	.50	
16	92.5	3.63	7.62	3.00	3.63	0.00	.47	2.986E-03	1.184	1.180	3.507E-04	11.56	.83	.50	
17	92.5	0.00	7.62	0.00	0.00	0.00	0.00	3.218E-03	1.271	1.271	4.057E-04	11.56	.83	.50	
18	92.5	-3.54	7.62	3.00	-3.54	0.00	-.46	3.393E-03	1.346	1.341	4.528E-04	11.55	.83	.50	
19	92.5	-7.27	7.62	0.00	-7.27	3.00	-.95	3.859E-03	1.536	1.525	5.881E-04	11.53	.83	.50	
20															
21	92.5	-8.72	7.62	0.80	-7.62	1.17	-.99	4.233E-04	.169	.167	7.078E-06	11.52	.83	.50	.110
22	92.5	-9.94	7.62	0.00	-7.62	2.39	-.99	8.356E-05	.033	.033	2.758E-07	11.52	.83	.50	.022
23	92.5	-11.25	7.62	3.00	-7.62	3.70	-.99	2.518E-05	.010	.010	2.707E-08	11.52	.83	.50	.007
24	92.5	-12.62	7.62	0.00	-7.62	5.07	-.99	1.427E-05	.006	.006	8.044E-09	11.52	.83	.50	.004
25	92.5	-13.29	7.62	3.00	-7.62	5.73	-.99	2.250E-05	.009	.009	2.019E-08	11.52	.83	.50	.006
26	92.5	13.35	3.86	-3.76	7.62	5.70	-2.74	7.972E-06	.003	.003	2.551E-09	11.37	.82	.50	.004
27	92.5	12.68	3.82	-3.80	7.62	5.04	-2.78	1.933E-05	.008	.008	1.501E-08	11.36	.82	.50	.010
28	92.5	11.35	3.86	-3.76	7.62	3.72	-2.73	2.327E-05	.009	.009	2.174E-08	11.37	.82	.50	.012
29	92.5	10.08	3.81	-3.81	7.62	2.44	-2.79	1.975E-04	.080	.078	1.567E-06	11.36	.82	.50	.100
30	92.5	8.83	3.79	-3.83	7.62	1.16	-2.80	4.999E-04	.203	.198	1.005E-05	11.36	.82	.50	.254
31	92.5	7.97	3.75	-3.87	7.62	.33	-2.84	8.853E-04	.359	.350	3.153E-05	11.35	.82	.50	.451
32	92.5	7.24	3.83	-3.79	7.24	0.03	-2.81	1.954E-03	.796	.776	1.552E-04	11.36	.82	.50	
33	92.5	3.71	3.70	-3.92	3.71	0.00	-3.40	3.049E-03	1.252	1.205	3.786E-04	11.27	.81	.50	
34	92.5	0.00	3.67	-3.95	0.00	0.00	-3.92	3.049E-03	1.268	1.205	3.836E-04	11.19	.81	.50	
35	92.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.258E-03	1.378	1.298	4.454E-04	11.11	.80	.50	
36	92.5	-7.26	3.88	-3.74	-7.26	0.00	-4.66	3.650E-03	1.565	1.442	5.666E-04	11.04	.80	.50	
37	92.5	-7.97	3.83	-3.79	-7.62	.37	-4.75	2.146E-03	.923	.848	1.965E-04	11.02	.80	.50	.590
38	92.5	-8.75	3.98	-3.74	-7.62	1.15	-4.70	2.456E-04	.105	.097	2.568E-06	11.03	.80	.50	.067
39	92.5	-9.35	3.82	-3.80	-7.62	2.35	-4.76	5.466E-05	.024	.022	1.276E-07	11.02	.80	.50	.015
40	92.5	-11.22	3.82	-3.80	-7.62	3.62	-4.76	4.170E-05	.018	.016	7.422E-08	11.02	.80	.50	.011
41	92.5	-12.64	3.95	-3.67	-7.62	5.04	-4.63	1.454E-05	.006	.006	9.979E-09	11.05	.80	.50	.004
42	92.5	-13.29	4.00	-3.62	-7.62	5.68	-4.58	7.552E-06	.003	.003	2.424E-09	11.06	.80	.50	.002
43	92.5	13.77	.27	-7.35	7.62	5.70	-6.29	8.746E-06	.004	.003	3.492E-09	10.65	.77	.50	.003
44	92.5	12.67	.29	-7.33	7.62	4.91	-6.27	2.593E-05	.012	.011	3.307E-08	10.65	.77	.50	.008
45	92.5	11.38	.31	-7.32	7.62	3.72	-6.26	4.536E-05	.021	.018	9.378E-08	10.65	.77	.50	.013
46	92.5	10.07	.26	-7.36	7.62	2.37	-6.30	2.258E-04	.104	.089	2.328E-06	10.64	.77	.50	.066
47	92.5	8.92	.27	-7.35	7.62	1.16	-6.29	4.350E-04	.200	.172	8.639E-06	10.65	.77	.50	.128

BEST AVAILABLE COPY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), MDAC-E RSI GAPS, RUN (121) 1973 PAGE 154

PH	GAMMA (DEG)	XSURF (CM)	YB (CM)	YF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	HSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	92.5	7.99	.36	-7.26	7.62	.33	-6.21	1.728E-03	.792	.683	1.358E-04	10.67	.77	.50	.506
49	92.5	7.91	.35	-7.27	7.30	3.00	-5.25	3.410E-03	1.567	1.347	5.300E-04	10.66	.77	.50	
50	92.5	3.69	.29	-7.33	3.60	0.00	-6.78	4.588E-03	2.213	1.853	1.029E-03	10.50	.76	.50	
51	92.5	0.00	.22	-7.40	0.00	0.00	-7.34	3.809E-03	1.848	1.505	6.981E-04	10.33	.75	.50	
52	92.5	-3.59	.27	-7.35	-3.59	0.00	-7.76	3.673E-03	1.524	1.214	4.645E-04	10.19	.74	.50	
53	92.5	-7.24	.40	-7.16	-7.24	0.00	-8.04	2.434E-03	1.228	.962	2.964E-04	10.09	.74	.50	
54	92.5	-7.99	.36	-7.26	-7.62	.31	-8.19	1.523E-03	.826	.641	1.329E-04	10.04	.73	.50	.673
55	92.5	-8.69	.32	-7.30	-7.62	1.11	-8.23	1.884E-04	.096	.074	1.796E-06	10.03	.73	.50	.078
56	92.5	-9.91	.37	-7.25	-7.62	2.32	-8.19	8.252E-06	.004	.003	3.435E-09	10.04	.73	.50	.003
57	92.5	-11.29	.36	-7.26	-7.62	3.70	-8.19	8.500E-06	.004	.003	3.646E-09	10.04	.73	.50	.004
58	92.5	-12.55	.38	-7.24	-7.62	4.97	-8.18	6.526E-06	.003	.003	2.147E-09	10.05	.73	.50	.003
59															
60	92.5	7.14	0.00	-7.62	7.14	.27	-6.62	2.326E-03	1.090	.928	2.515E-04	10.55	.76	.50	.695
61	92.5	7.35	0.00	-7.62	7.35	1.17	-6.60	4.810E-04	.225	.190	1.073E-05	10.56	.77	.50	.143
62	92.5	7.13	0.00	-7.62	7.13	2.34	-6.62	1.541E-04	.072	.061	1.102E-06	10.55	.76	.50	.046
63	92.5	7.19	0.00	-7.62	7.19	3.71	-6.62	1.851E-05	.009	.007	1.607E-08	10.55	.76	.50	.006
64	92.5	7.14	0.00	-7.62	7.14	5.02	-6.62	1.706E-05	.008	.007	1.352E-08	10.55	.76	.50	.005
65	92.5	7.14	0.00	-7.62	7.14	5.63	-6.62	1.248E-05	.006	.005	7.234E-09	10.55	.76	.50	.004
66	92.5	3.44	0.00	-7.62	3.44	.36	-7.11	3.405E-03	1.633	1.345	5.515E-04	10.40	.76	.50	.738
67	92.5	3.44	0.00	-7.62	3.44	1.19	-7.11	5.156E-04	.247	.204	1.265E-05	10.40	.76	.50	.112
68	92.5	3.45	0.00	-7.62	3.45	2.44	-7.10	3.092E-05	.016	.013	5.124E-08	10.40	.76	.50	.007
69	92.5	3.51	0.00	-7.62	3.50	3.74	-7.10	1.758E-05	.008	.007	7.470E-08	10.41	.76	.50	.004
70	92.5	3.46	0.00	-7.62	3.46	5.04	-7.10	3.282E-05	.016	.013	5.063E-08	10.41	.76	.50	.007
71	92.5	3.40	0.00	-7.62	3.40	5.81	-7.11	1.290E-05	.006	.005	7.921E-09	10.40	.76	.50	.003
72	92.5	0.00	0.00	-7.62	0.00	.38	-7.55	1.980E-06	.001	.001	1.907E-10	10.25	.75	.50	.001
73	92.5	0.00	0.00	-7.62	0.00	1.15	-7.55	3.261E-04	.160	.129	5.173E-06	10.26	.75	.50	.087
74	92.5	0.00	0.00	-7.62	0.00	2.37	-7.55	1.476E-05	.007	.006	1.060E-08	10.26	.75	.50	.004
75	92.5	0.00	0.00	-7.62	0.00	3.70	-7.55	1.940E-05	.010	.008	1.831E-08	10.26	.75	.50	.005
76	92.5	0.00	0.00	-7.62	0.00	4.99	-7.55	2.057E-05	.010	.008	2.058E-08	10.26	.75	.50	.005
77	92.5	0.00	0.00	-7.62	0.00	5.74	-7.55	1.251E-05	.006	.005	7.735E-09	10.26	.75	.50	.003
78	92.5	-3.59	0.00	-7.62	-3.59	.38	-8.02	1.844E-03	.929	.729	1.693E-04	10.10	.74	.50	.610
79	92.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	2.125E-04	.107	.084	2.257E-06	10.10	.74	.50	.070
80	92.5	-3.60	0.00	-7.62	-3.60	2.42	-8.02	3.289E-05	.017	.013	5.406E-08	10.10	.74	.50	.011
81	92.5	-3.55	0.00	-7.62	-3.55	3.76	-8.02	2.556E-05	.013	.010	3.294E-08	10.10	.74	.50	.009
82	92.5	-3.59	0.00	-7.62	-3.58	5.08	-8.02	3.472E-05	.017	.014	6.023E-08	10.10	.74	.50	.011
83	92.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	9.279E-06	.005	.004	4.303E-09	10.10	.74	.50	.003
84	92.5	-7.37	0.00	-7.62	-7.33	.31	-8.51	1.497E-03	.775	.591	1.151E-04	9.92	.72	.50	.632
85	92.5	-7.36	0.00	-7.62	-7.36	1.09	-8.52	1.023E-04	.053	.040	5.380E-07	9.92	.72	.50	.043
86	92.5	-7.38	0.00	-7.62	-7.36	2.35	-8.52	1.595E-05	.008	.006	1.292E-08	9.92	.72	.50	.007
87	92.5	-7.33	0.00	-7.62	-7.33	3.74	-8.51	1.912E-15	.010	.008	1.873E-08	9.92	.72	.50	.008
88	92.5	-7.33	0.00	-7.62	-7.33	5.03	-8.51	1.227E-05	.006	.005	7.742E-09	9.92	.72	.50	.005
89	92.5	-7.35	0.00	-7.62	-7.35	5.66	-8.51	4.757E-06	.002	.002	1.863E-09	9.92	.72	.50	.002

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 16.290
PX E06 = 5.760E-01
PL E06 = 8.197E-02
RE/METER = 3.227E+06
HO = 2.554E+08 (N/M2- K)
TW = 297.6 (K)
STEP = 0.000 (CM)

TT = 1.007E+03 (K)
PI = 5.167E+06 (N/M2)
T1 = 4.748E+01 (K)
P1 = 0.980E+02 (N/M2)
(RHO V)1 = 1.024E+01 (KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	13.39	7.62	0.00	7.62	5.70	1.97	4.844E-06	.002	.002	6.438E-10	11.50	.83	.50	.003
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	3.573E-06	.001	.001	5.026E-10	11.50	.83	.50	.003
11	75.0	11.34	7.62	0.00	7.62	3.74	1.97	2.483E-05	.010	.010	2.428E-08	11.50	.83	.50	.010
12	75.0	10.05	7.62	0.00	7.62	2.36	1.97	4.544E-05	.018	.018	8.129E-08	11.50	.83	.50	.032
13	75.0	8.83	7.62	0.00	7.62	1.14	1.97	9.387E-05	.038	.037	3.470E-07	11.50	.83	.50	.067
14	75.0	8.02	7.62	0.00	7.62	.33	1.97	4.199E-04	.168	.166	6.942E-06	11.50	.83	.50	.300
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.401E-03	.562	.553	7.719E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	2.929E-03	1.166	1.157	3.351E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.187E-03	1.259	1.259	3.937E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	3.424E-03	1.368	1.353	4.579E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	4.218E-03	1.691	1.667	7.000E-04	11.46	.82	.50	
20	75.0	-7.97	7.62	0.00	-7.62	.41	-1.97	1.017E-05	.004	.004	4.073E-09	11.45	.82	.50	.002
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	5.103E-04	.205	.202	1.026E-05	11.45	.82	.50	.121
22	75.0	-9.94	7.62	0.00	-7.62	2.39	-1.97	6.815E-05	.027	.027	1.829E-07	11.45	.82	.50	.016
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	3.881E-05	.016	.015	5.932E-08	11.45	.82	.50	.009
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	4.161E-05	.017	.016	6.818E-08	11.45	.82	.50	.010
25	75.0	-13.29	7.62	0.00	-7.62	5.73	-1.97	3.753E-05	.015	.015	5.547E-08	11.45	.82	.50	.009
26	75.0	13.35	3.86	-3.76	7.62	5.70	-1.66	9.520E-06	.004	.004	3.560E-09	11.48	.83	.50	.004
27	75.0	12.69	3.82	-3.80	7.62	5.04	-1.70	2.175E-05	.009	.009	1.858E-08	11.48	.83	.50	.010
28	75.0	11.36	3.86	-3.76	7.62	3.72	-1.66	3.975E-05	.016	.016	6.206E-08	11.49	.83	.50	.018
29	75.0	10.09	3.81	-3.81	7.62	2.44	-1.71	2.008E-04	.080	.079	1.584E-06	11.48	.83	.50	.093
30	75.0	8.80	3.79	-3.83	7.62	1.16	-1.73	4.420E-04	.177	.175	7.677E-06	11.47	.82	.50	.286
31	75.0	7.97	3.75	-3.87	7.62	.33	-1.76	9.291E-04	.372	.367	3.394E-05	11.47	.82	.50	.432
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.148E-03	.861	.849	1.814E-04	11.47	.82	.50	
33	75.0	3.71	3.79	-3.92	3.71	0.00	-2.83	3.171E-03	1.266	1.253	4.802E-04	11.35	.82	.50	
34	75.0	0.00	3.67	-3.95	0.00	0.00	-3.82	3.042E-03	1.260	1.202	3.762E-04	11.20	.81	.50	
35	75.0	-3.59	3.73	-3.89	-3.59	0.00	-4.69	3.101E-03	1.331	1.225	4.048E-04	11.04	.80	.50	
36	75.0	-7.28	3.88	-3.74	-7.28	0.00	-5.50	3.409E-03	1.515	1.347	5.068E-04	10.85	.78	.50	
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	1.979E-03	.885	.782	1.718E-04	10.82	.78	.50	.584
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	2.344E-04	.105	.093	2.405E-06	10.83	.78	.50	.069
39	75.0	-9.95	3.82	-3.80	-7.62	2.35	-5.64	2.584E-05	.012	.011	3.162E-08	10.82	.78	.50	.838
40	75.0	-11.22	3.82	-3.80	-7.62	3.62	-5.64	2.286E-05	.010	.009	2.294E-08	10.82	.78	.50	.007
41	75.0	-12.64	3.95	-3.67	-7.62	5.04	-5.51	4.447E-06	.002	.002	8.630E-10	10.85	.78	.50	.001
42	75.0	-13.28	4.00	-3.62	-7.62	5.68	-5.47	8.554E-06	.004	.003	3.260E-09	10.86	.78	.50	.003
43	75.0	13.37	.27	-7.35	7.62	5.70	-5.12	1.152E-06	.001	.000	5.689E-11	10.94	.79	.50	.800
44	75.0	12.57	.29	-7.33	7.62	4.91	-5.10	4.780E-06	.002	.002	9.780E-10	10.95	.79	.50	.001
45	75.0	11.79	.30	-7.32	7.62	3.72	-5.09	2.566E-05	.012	.011	3.041E-08	10.95	.79	.50	.007
46	75.0	10.83	.26	-7.36	7.62	2.37	-5.13	1.779E-04	.079	.070	1.357E-06	10.94	.79	.50	.047

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

PW	RADIUS (DEG)	YSURF (CM)	YF (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	75.0	8.32	.27	-7.35	7.62	1.16	-5.12	4.388E-04	.179	.162	7.162E-06	10.94	.79	.50	.109
48	75.0	7.99	.35	-7.28	7.62	.33	-5.04	1.845E-03	.803	.729	1.453E-04	10.96	.79	.50	.489
49	75.0	7.31	.35	-7.27	7.30	1.00	-5.13	3.756E-03	1.641	1.484	6.046E-04	10.94	.79	.50	
50	75.0	3.69	.29	-7.33	3.69	3.00	-6.12	4.918E-03	2.247	1.943	1.085E-03	10.69	.77	.50	
51	75.0	0.00	.22	-7.40	0.00	3.00	-7.15	3.830E-03	1.841	1.514	6.920E-04	10.39	.75	.50	
52	75.0	-1.88	.27	-7.35	-3.58	3.00	-8.03	3.050E-03	1.552	1.217	4.692E-04	10.10	.74	.50	
53	75.0	-7.24	.46	-7.16	-7.24	3.00	-8.79	2.148E-03	1.130	.849	2.383E-04	9.82	.72	.50	
54	75.0	-7.99	.36	-7.26	-7.62	.31	-8.99	1.399E-03	.744	.553	1.022E-04	9.74	.71	.50	.658
55	75.0	-3.69	.32	-7.30	-7.62	1.11	-9.02	1.523E-04	.081	.060	1.213E-06	9.73	.71	.50	.072
56	75.0	-9.91	.37	-7.25	-7.62	2.32	-8.98	3.993E-05	.021	.016	8.321E-08	9.74	.71	.50	.019
57															
58	75.0	-12.55	.38	-7.24	-7.62	4.97	-8.97	1.202E-05	.006	.005	7.531E-09	9.75	.71	.50	.006
59	75.0	-13.20	.37	-7.25	-7.62	5.62	-8.98	8.860E-07	.000	.000	4.041E-11	9.75	.71	.50	.000
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	2.459E-03	1.093	.972	2.637E-04	10.85	.78	.50	.665
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	4.349E-04	.193	.172	8.230E-06	10.86	.78	.50	.118
62	75.0	7.13	0.00	-7.62	7.13	2.34	-5.52	1.107E-04	.049	.044	5.345E-07	10.85	.78	.50	.030
63	75.0	7.19	0.00	-7.62	7.19	3.71	-5.50	3.974E-05	.018	.016	6.886E-08	10.85	.78	.50	.011
64	75.0	7.14	0.00	-7.62	7.14	5.02	-5.51	1.316E-05	.006	.005	7.550E-09	10.85	.78	.50	.004
65	75.0	7.14	0.00	-7.62	7.14	5.63	-5.51	3.442E-06	.000	.000	5.169E-14	10.85	.78	.50	.000
66	75.0	3.44	0.00	-7.62	3.44	.36	-6.47	3.423E-03	1.589	1.353	5.339E-04	10.60	.77	.50	.707
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	4.472E-04	.208	.177	9.112E-06	10.60	.77	.50	.092
68	75.0	3.45	0.00	-7.62	3.45	2.44	-6.47	4.007E-05	.019	.016	7.317E-08	10.60	.77	.50	.008
69	75.0	3.51	0.00	-7.62	3.50	3.74	-6.45	4.252E-05	.020	.017	8.233E-08	10.60	.77	.50	.009
70	75.0	3.46	0.00	-7.62	3.46	5.04	-6.46	1.583E-05	.007	.006	1.141E-08	10.60	.77	.50	.003
71	75.0	3.49	0.00	-7.62	3.49	5.81	-6.46	2.272E-05	.011	.009	2.354E-08	10.59	.77	.50	.005
72															
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	2.831E-04	.138	.112	3.821E-06	10.32	.75	.50	.075
74	75.0	0.00	0.00	-7.62	0.00	2.37	-7.36	1.560E-05	.008	.006	1.160E-08	10.32	.75	.50	.004
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	2.487E-05	.012	.010	2.947E-08	10.32	.75	.50	.007
76	75.0	0.00	0.00	-7.62	0.00	4.99	-7.36	7.865E-06	.004	.003	2.949E-09	10.32	.75	.50	.002
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	1.149E-05	.006	.005	6.294E-09	10.32	.75	.50	.003
78	75.0	-3.69	0.00	-7.62	-3.69	.30	-8.29	1.848E-03	.965	.730	1.714E-04	10.00	.73	.50	.603
79	75.0	-3.67	0.00	-7.62	-3.63	1.17	-8.30	1.986E-04	.102	.078	1.980E-06	10.00	.73	.50	.255
80	75.0	-3.60	0.00	-7.62	-3.60	2.42	-8.29	1.784E-05	.009	.007	1.562E-08	10.00	.73	.50	.006
81	75.0	-3.55	0.00	-7.62	-3.55	3.76	-8.28	2.784E-05	.014	.011	3.889E-08	10.01	.73	.50	.009
82	75.0	-3.58	0.00	-7.62	-3.58	5.08	-8.29	1.144E-05	.006	.005	6.567E-09	10.01	.73	.50	.004
83	75.0	-3.62	0.00	-7.62	-3.62	5.79	-8.30	2.350E-06	.002	.001	4.371E-10	10.00	.73	.50	.001
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	1.350E-03	.729	.533	9.655E-05	9.63	.71	.50	.645
85	75.0	-7.35	0.00	-7.62	-7.36	1.09	-9.26	9.735E-05	.053	.038	5.024E-07	9.63	.71	.50	.047
86	75.0	-7.36	0.00	-7.62	-7.36	2.36	-9.26	3.442E-05	.019	.014	6.282E-08	9.63	.71	.50	.016
87	75.0	-7.37	0.00	-7.62	-7.33	3.74	-9.26	1.394E-05	.007	.005	1.015E-08	9.63	.71	.50	.007
88	75.0	-7.37	0.00	-7.62	-7.33	5.03	-9.26	1.091E-05	.006	.004	6.306E-09	9.63	.71	.50	.005
89	75.0	-7.35	0.00	-7.62	-7.35	5.65	-9.26	6.854E-06	.004	.003	2.490E-09	9.63	.71	.50	.003

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CHT TEST (92), M7&C-E RSI GAPS, RUN (123) 1973

MACH = 10.291
RX E06 = 5.712E-01
RL E06 = 9.129E-02
RE/METER = 3.200E+06
HO = 2.054E+08(W/M2- K)
TW = 297.9 (K)
STEP = 3.000(CM)

TT = 1.012E+03(K)
PI = 5.167 E+06(N/M2)
T1 = 4.770E+01(K)
P1 = 0.980 E+02(N/M2)
(RHO V)1 = 1.021E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =1.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.39	7.62	0.00	7.62	5.70	3.81	1.897E-05	.006	.007	1.456E-08	11.29	.81	.50	.812
10	60.0	12.72	7.62	0.00	7.62	5.03	3.81	9.057E-06	.004	.004	3.317E-09	11.29	.81	.50	.006
11	60.0	11.34	7.62	0.00	7.62	3.74	3.81	1.772E-05	.007	.007	1.271E-08	11.29	.81	.50	.011
12	60.0	10.05	7.62	0.00	7.62	2.36	3.81	4.929E-05	.020	.019	9.825E-09	11.29	.81	.50	.031
13	60.0	8.33	7.62	0.00	7.62	1.14	3.81	1.224E-04	.050	.048	6.059E-07	11.29	.81	.50	.077
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	5.712E-04	.235	.226	1.319E-05	11.29	.81	.50	.359
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.591E-03	.653	.630	1.425E-04	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.919E-03	1.170	1.153	3.361E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.148E-03	1.244	1.244	3.853E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.369E-03	1.350	1.331	4.476E-04	11.47	.82	.50	
19	60.0	-7.27	7.62	0.00	-7.27	0.00	-3.63	4.241E-03	1.750	1.676	7.304E-04	11.24	.81	.50	
20	60.0	-7.97	7.62	0.00	-7.62	.41	-3.81	1.085E-05	.004	.004	4.801E-09	11.21	.81	.50	.093
21	60.0	-9.72	7.62	0.00	-7.62	1.17	-3.81	6.061E-04	.251	.239	1.497E-05	11.21	.81	.50	.143
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	1.233E-04	.051	.049	6.192E-07	11.21	.81	.50	.029
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	3.999E-05	.016	.015	6.164E-08	11.21	.81	.50	.009
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	3.705E-05	.015	.015	5.595E-08	11.21	.81	.50	.010
25	60.0	-13.29	7.62	0.00	-7.62	5.73	-3.81	4.099E-05	.017	.016	6.848E-08	11.21	.81	.50	.010
26	60.0	13.35	3.86	-3.76	7.62	5.70	.55	3.705E-06	.001	.001	5.362E-10	11.56	.83	.50	.001
27	60.0	12.69	3.82	-3.80	7.62	5.04	.52	2.534E-05	.010	.010	2.709E-08	11.56	.83	.50	.010
28	60.0	11.36	3.86	-3.76	7.62	3.72	.55	3.547E-05	.014	.014	5.194E-08	11.56	.83	.50	.014
29	60.0	10.08	3.81	-3.81	7.62	2.44	.51	1.632E-04	.065	.065	1.040E-06	11.56	.83	.50	.063
30	60.0	8.81	3.79	-3.83	7.62	1.16	.49	4.358E-04	.173	.172	7.414E-06	11.56	.83	.50	.159
31	60.0	7.97	3.75	-3.87	7.62	.33	.46	1.191E-03	.472	.470	5.533E-05	11.56	.83	.50	.460
32	60.0	7.24	3.83	-3.79	7.24	0.00	.34	2.591E-03	1.027	1.024	2.615E-04	11.56	.83	.50	
33	60.0	3.71	3.78	-3.92	3.71	0.00	-1.54	3.448E-03	1.379	1.363	4.680E-04	11.49	.83	.50	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	3.049E-03	1.252	1.205	3.757E-04	11.27	.81	.50	
35	60.0	-3.59	3.73	-3.89	-3.59	0.00	-5.16	2.952E-03	1.296	1.170	3.778E-04	10.93	.79	.50	
36	60.0	-7.29	3.99	-3.74	-7.28	0.00	-6.88	3.216E-03	1.525	1.271	4.827E-04	10.47	.76	.50	
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	1.965E-03	.894	.737	1.641E-04	10.41	.76	.50	.586
38	60.0	-9.76	3.88	-3.74	-7.62	1.15	-7.05	2.387E-04	.110	.091	2.506E-06	10.42	.76	.50	.072
39	60.0	-9.95	3.92	-3.80	-7.62	2.35	-7.10	4.183E-05	.020	.015	8.178E-08	10.41	.76	.50	.013
40	60.0	-11.27	3.92	-3.90	-7.62	3.62	-7.10	3.563E-05	.017	.014	5.991E-08	10.41	.76	.50	.011
41	60.0	-12.64	3.95	-3.67	-7.62	5.04	-6.99	1.257E-05	.006	.005	7.418E-09	10.44	.76	.50	.004
42	60.0	-13.28	4.00	-3.62	-7.62	5.68	-6.94	7.371E-07	.000	.000	2.684E-11	10.45	.76	.50	.000
43	60.0	13.37	.27	-7.35	7.62	5.70	-2.55	1.016E-05	.004	.004	4.098E-09	11.39	.82	.50	.002
44	60.0	12.57	.29	-7.33	7.62	4.91	-2.53	1.616E-05	.007	.006	1.036E-08	11.39	.82	.50	.004
45	60.0	11.39	.30	-7.32	7.62	3.72	-2.53	2.515E-05	.010	.010	2.508E-08	11.39	.82	.50	.006
46	60.0	10.03	.26	-7.36	7.62	2.37	-2.56	8.968E-05	.036	.035	3.192E-07	11.39	.82	.50	.022

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 156

CH	GAMMA (DEG)	XCUPS (CM)	YB (CM)	XF (CM)	YF (CM)	Z (CM)	Y-NOZ (CM)	HT (KG/M2-S)	HT/HD	HT/HF	WSTT	DELS (CM)	W-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	8.92	.22	-7.35	7.62	1.15	-2.55	3.317E-04	.134	.131	4.365E-06	11.39	.82	.53	.081
48	60.0	7.39	.36	-7.26	7.62	.33	-2.48	1.969E-03	.793	.778	1.537E-04	11.40	.82	.50	.492
+9	60.0	7.30	.35	-7.27	7.30	3.03	-2.64	4.071E-03	1.644	1.608	6.587E-04	11.38	.82	.50	
50	60.0	3.69	.29	-7.33	3.69	0.00	-4.50	4.902E-03	2.038	1.937	4.407E-03	11.05	.80	.50	
51	60.0	0.10	.22	-7.40	0.00	0.00	-6.41	3.517E-03	1.674	1.429	5.960E-04	10.61	.77	.53	
52	60.0	-3.54	.27	-7.35	-3.58	0.00	-8.16	2.307E-03	1.425	1.109	3.939E-04	10.05	.73	.53	
53	60.0	-7.24	.46	-7.16	-7.24	0.00	-9.82	1.854E-03	1.032	.732	1.802E-04	9.40	.69	.50	
54	60.0	-7.89	.36	-7.26	-7.62	.31	-10.10	1.175E-03	.663	.464	7.672E-05	9.28	.68	.53	.643
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	1.246E-04	.071	.049	8.676E-07	9.26	.68	.50	.069
56	60.0	-9.90	.37	-7.25	-7.62	2.32	-10.09	2.190E-05	.012	.009	2.665E-06	9.28	.68	.50	.012
57	60.0	-11.29	.36	-7.26	-7.62	3.70	-10.10	1.553E-05	.009	.007	1.536E-06	9.28	.68	.50	.009
58	60.0	-12.55	.38	-7.24	-7.62	4.97	-10.08	1.287E-05	.007	.005	9.204E-09	3.29	.68	.50	.007
59	60.0	-13.20	.37	-7.25	-7.62	5.62	-10.09	1.342E-05	.008	.005	9.998E-09	9.28	.68	.50	.007
60	60.0	7.19	0.00	-7.62	7.14	.27	-3.03	2.542E-03	1.035	1.004	2.589E-04	11.33	.82	.50	.633
61	60.0	7.35	0.00	-7.62	7.35	1.17	-2.93	3.610E-04	.147	.143	5.235E-06	11.34	.82	.50	.089
62	60.0	7.13	0.00	-7.62	7.13	2.34	-3.04	7.999E-05	.333	.032	2.565E-07	11.33	.82	.50	.020
63	60.0	7.19	0.00	-7.62	7.19	3.71	-3.00	3.030E-05	.012	.012	3.698E-08	11.33	.82	.50	.005
64	60.0	7.14	0.00	-7.62	7.14	5.02	-3.03	2.563E-05	.010	.010	2.634E-08	11.33	.82	.50	.006
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	1.337E-05	.005	.005	7.165E-09	11.33	.82	.50	.003
66	60.0	3.44	0.00	-7.62	3.44	.36	-4.88	3.203E-03	1.305	1.265	4.364E-04	11.00	.79	.50	.663
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	2.344E-04	.145	.132	4.758E-06	11.00	.79	.50	.069
68	60.0	3.45	0.00	-7.62	3.45	2.44	-4.87	1.989E-05	.009	.008	1.631E-08	11.00	.79	.53	.004
69	60.0	3.50	0.00	-7.62	3.50	3.74	-4.85	2.925E-05	.013	.012	3.637E-08	11.00	.79	.50	.006
70	60.0	3.66	0.00	-7.62	3.46	5.04	-4.87	1.479E-05	.006	.006	9.311E-09	11.00	.79	.53	.003
71	60.0	3.47	0.00	-7.62	3.40	5.81	-4.90	2.434E-05	.011	.010	2.514E-08	10.99	.79	.50	.005
72	60.0	3.00	0.00	-7.62	0.00	.38	-6.60	7.360E-06	.004	.003	2.635E-09	10.56	.77	.50	.002
73	60.0	3.01	0.00	-7.62	0.01	1.15	-6.60	2.240E-04	.105	.088	2.308E-06	10.56	.77	.50	.063
74	60.0	3.00	0.00	-7.62	3.00	2.37	-6.60	1.726E-05	.008	.007	1.360E-07	10.56	.77	.53	.005
75	60.0	0.00	0.00	-7.62	0.00	3.70	-6.60	2.196E-05	.010	.009	2.218E-08	10.56	.77	.50	.006
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	1.371E-05	.006	.005	8.644E-09	10.56	.77	.53	.004
77	60.0	0.00	0.00	-7.62	0.00	5.74	-6.60	1.586E-05	.007	.006	1.157E-08	10.56	.77	.53	.004
78	60.0	-3.53	0.00	-7.62	-3.59	.38	-8.39	1.575E-03	.811	.623	1.258E-04	9.97	.73	.50	.004
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	1.809E-04	.093	.071	1.659E-06	9.96	.73	.50	.065
80	60.0	-3.61	0.00	-7.62	-3.60	2.42	-9.40	2.294E-05	.012	.009	2.665E-08	9.96	.73	.50	.008
81	60.0	-7.55	0.00	-7.62	-3.55	3.76	-9.37	4.008E-05	.021	.016	3.128E-09	9.97	.73	.50	.014
82	60.0	-7.63	0.00	-7.62	-3.59	5.08	-8.39	1.190E-05	.006	.005	7.169E-09	9.97	.73	.53	.004
83	60.0	-3.60	0.00	-7.62	-3.62	5.79	-8.41	7.313E-06	.003	.002	1.431E-09	9.96	.73	.53	.002
84	60.0	-7.73	0.00	-7.62	-7.33	.31	-10.26	1.235E-03	.707	.548	8.547E-05	9.21	.68	.50	.642
85	60.0	-7.55	0.00	-7.62	-7.36	1.09	-10.28	1.052E-04	.361	.042	6.326E-07	9.20	.68	.53	.059
86	60.0	-7.63	0.00	-7.62	-7.35	2.35	-13.29	1.507E-05	.009	.005	1.274E-08	9.20	.68	.50	.008
87	60.0	-7.73	0.00	-7.62	-7.33	3.74	-10.26	2.421E-05	.014	.010	3.286E-08	9.21	.68	.53	.013
88	60.0	-7.61	0.00	-7.62	-7.33	5.03	-10.26	9.574E-06	.005	.004	5.139E-09	9.21	.68	.53	.005
89	60.0	-7.61	0.00	-7.62	-7.35	5.65	-10.27	1.192E-05	.007	.005	7.833E-09	9.20	.68	.53	.007

TEST T 323, MRAC-E RSI GAPS, RUN (123) 1973

HEAT TEST (32), MOD-F RSI GAPS, RUN (124) 1973 PAGE 159

MACH	= 10.290	TT	= 1.017E+03(K)
PX E06	= 5.651E-01	P1	= 5.166E+06(N/M2)
PL E06	= 3.042E-02	T1	= 4.798E+01(K)
DENSITY	= 3.166E+06	P1	= 0.979E+02(N/M2)
HO	= 2.554E+08(M/S2- K)	(RHO V)1	= 1.017E+01(KG/M2-S)
TW	= 297.6 (K)	GAP	= .711 (CM)
STEP	= 0.000(CM)	CONF	=STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	13.39	7.62	0.00	7.62	5.70	5.39	3.519E-05	.015	.014	5.222E-08	11.00	.80	.50	.019
10	45.0	12.72	7.62	0.00	7.62	5.03	5.39	1.278E-05	.005	.005	6.689E-09	11.00	.80	.50	.007
11	45.0	11.34	7.62	0.00	7.62	3.74	5.39	2.450E-05	.010	.010	2.530E-08	11.00	.80	.50	.014
12	45.0	10.05	7.62	0.00	7.62	2.36	5.39	2.768E-05	.012	.011	3.185E-08	11.00	.80	.50	.015
13	45.0	8.83	7.62	0.00	7.62	1.14	5.39	1.404E-04	.060	.055	8.309E-07	11.00	.80	.50	.078
14	45.0	8.32	7.62	0.00	7.62	.33	5.39	7.365E-04	.314	.291	2.287E-05	11.00	.80	.50	.407
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.822E-03	.772	.720	1.390E-04	11.05	.80	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.982E-03	1.202	1.178	3.542E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.044E-03	1.283	1.283	3.618E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.354E-03	1.351	1.325	4.477E-04	11.40	.82	.50	
19	45.0	-7.27	7.62	0.00	-7.27	0.00	-5.14	3.946E-03	1.724	1.559	6.723E-04	10.94	.79	.50	
20															
21	45.0	-9.72	7.62	0.00	-7.62	1.17	-5.39	4.728E-04	.209	.187	9.762E-06	10.88	.79	.50	.121
22	45.0	-9.94	7.62	0.00	-7.62	2.39	-5.39	8.257E-05	.037	.033	2.985E-07	10.88	.79	.50	.021
23	45.0	-11.25	7.62	0.00	-7.62	3.70	-5.39	3.616E-05	.016	.014	5.711E-08	10.88	.79	.50	.009
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	2.036E-05	.009	.008	1.810E-08	10.88	.79	.50	.005
25	45.0	-13.29	7.62	0.00	-7.62	5.73	-5.39	1.987E-05	.008	.008	1.588E-08	10.88	.79	.50	.005
26	45.0	13.35	3.86	-3.76	7.62	5.78	2.73	1.133E-05	.005	.004	5.124E-09	11.43	.82	.50	.004
27	45.0	12.68	3.82	-3.80	7.62	5.04	2.70	1.384E-05	.006	.005	7.643E-09	11.43	.82	.50	.005
28	45.0	11.36	3.86	-3.76	7.62	3.72	2.73	5.692E-05	.023	.022	1.294E-07	11.43	.82	.50	.020
29	45.0	10.08	3.81	-3.81	7.62	2.44	2.69	1.007E-04	.041	.040	4.043E-07	11.43	.82	.50	.035
30	45.0	8.86	3.79	-3.83	7.62	1.16	2.68	5.232E-04	.211	.207	1.892E-05	11.44	.82	.50	.180
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.576E-03	.636	.623	9.908E-05	11.44	.82	.50	.543
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	2.909E-03	1.171	1.149	3.367E-04	11.46	.82	.50	
33	45.0	3.71	3.79	-3.92	3.71	0.00	-.15	3.624E-03	1.434	1.432	5.132E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	3.142E-03	1.273	1.242	3.953E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	2.848E-03	1.253	1.125	3.527E-04	10.90	.79	.50	
36	45.0	-7.28	3.89	-3.74	-7.28	0.00	-7.79	3.139E-03	1.560	1.240	4.838E-04	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	1.810E-03	.914	.715	1.634E-04	10.08	.73	.50	.586
38	45.0	-8.75	3.89	-3.74	-7.62	1.15	-8.03	2.156E-04	.109	.085	2.316E-06	10.10	.74	.50	.070
39	45.0	-9.95	3.82	-3.80	-7.62	2.35	-8.08	3.249E-05	.016	.013	5.270E-08	10.08	.73	.50	.011
40	45.0	-11.22	3.82	-3.80	-7.62	3.62	-8.07	4.465E-05	.023	.018	9.950E-08	10.08	.73	.50	.014
41	45.0	-12.64	3.95	-3.67	-7.62	5.04	-7.98	1.956E-05	.010	.008	1.899E-08	10.11	.74	.50	.006
42	45.0	-13.29	4.00	-3.62	-7.62	5.68	-7.95	2.398E-05	.013	.010	3.323E-08	10.13	.74	.50	.008
43	45.0	13.37	.27	-7.35	7.62	5.70	.19	8.397E-06	.003	.003	2.757E-09	11.56	.83	.50	.002
44	45.0	12.57	.29	-7.33	7.62	4.91	.21	3.413E-05	.014	.013	4.556E-08	11.56	.83	.50	.009
45	45.0	11.38	.30	-7.32	7.62	3.72	.22	3.126E-05	.012	.012	3.822E-08	11.56	.83	.50	.008
46	45.0	10.07	.26	-7.36	7.62	2.37	.19	7.995E-05	.032	.032	2.499E-07	11.56	.83	.50	.020

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

GEMI TEST (92), MDAC-E PSI GAPS, RUN (124) 1973 PAGE 160

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	X (CM)	? (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	-.82	.27	-7.35	7.62	1.16	.19	3.629E-04	.120	.120	3.587E-06	11.56	.83	.50	.077
48	45.0	7.33	.36	-7.26	7.62	.33	.25	1.952E-03	.773	.771	1.490E-04	11.56	.83	.50	.495
49	45.0	7.31	.35	-7.27	7.30	3.00	.02	3.947E-03	1.560	1.559	6.081E-04	11.56	.83	.50	
50	45.0	7.61	.29	-7.33	7.69	1.30	-2.58	4.732E-03	1.909	1.870	8.924E-04	11.39	.82	.50	
51	45.0	7.31	.22	-7.40	7.00	1.00	-5.23	3.479E-03	1.527	1.375	5.243E-04	10.92	.79	.50	
52	45.0	-7.53	.27	-7.35	-3.58	3.00	-7.73	2.592E-03	1.284	1.024	3.284E-04	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	3.00	-10.18	1.864E-03	1.057	.736	1.947E-04	9.24	.68	.50	
54	45.0	-7.89	.36	-7.26	-7.62	.31	-10.52	1.180E-03	.681	.466	7.940E-05	9.09	.67	.50	.644
55	45.0	-8.69	.32	-7.30	-7.62	1.11	-10.55	1.331E-04	.077	.053	1.011E-06	9.08	.67	.50	.073
56	45.0	-9.91	.37	-7.25	-7.62	2.32	-10.52	1.749E-05	.010	.007	1.743E-09	9.09	.67	.50	.010
57	45.0	-11.29	.36	-7.26	-7.62	3.70	-10.52	2.446E-05	.014	.010	3.412E-08	9.09	.67	.50	.013
58	45.0	-12.55	.38	-7.24	-7.62	4.97	-10.51	1.935E-05	.011	.008	2.134E-08	9.09	.67	.50	.011
59	45.0	-13.20	.37	-7.25	-7.62	5.62	-10.52	9.260E-06	.005	.004	4.888E-09	9.09	.67	.50	.005
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	2.382E-03	.944	.941	2.221E-04	11.55	.83	.50	.605
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	3.250E-04	.129	.128	4.129E-06	11.55	.83	.50	.082
62	45.0	7.13	0.00	-7.62	7.13	2.34	-.35	6.521E-05	.026	.026	1.716E-07	11.55	.83	.50	.017
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.30	2.495E-05	.010	.010	2.436E-08	11.55	.83	.50	.006
64	45.0	7.14	0.00	-7.62	7.14	5.02	-.34	2.592E-05	.010	.010	2.610E-08	11.55	.83	.50	.007
65	45.0	7.14	0.00	-7.62	7.14	5.63	-.34	3.794E-06	.002	.001	5.636E-10	11.55	.83	.50	.001
66	45.0	3.44	0.00	-7.62	3.44	.36	-2.95	3.004E-03	1.221	1.187	3.625E-04	11.34	.82	.50	.640
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	2.965E-04	.121	.117	3.532E-06	11.34	.82	.50	.063
68	45.0	3.45	0.00	-7.62	3.45	2.44	-2.95	4.375E-05	.019	.017	7.688E-08	11.34	.82	.50	.009
69	45.0	3.50	0.00	-7.62	3.50	3.74	-2.91	4.665E-05	.019	.018	8.734E-08	11.34	.82	.50	.010
70	45.0	3.46	0.00	-7.62	3.46	5.04	-2.94	2.114E-05	.009	.008	1.795E-08	11.34	.82	.50	.005
71	45.0	3.40	0.00	-7.62	3.40	5.81	-2.98	1.393E-05	.006	.006	7.902E-09	11.33	.82	.50	.003
72															
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	2.012E-04	.089	.079	1.768E-06	10.88	.79	.50	.059
74	45.0	0.00	0.00	-7.62	0.00	2.37	-5.39	4.007E-05	.018	.016	7.012E-08	10.88	.79	.50	.012
75	45.0	0.00	0.00	-7.62	0.00	3.70	-5.39	1.937E-05	.009	.008	1.639E-08	10.88	.79	.50	.006
76	45.0	0.00	0.00	-7.62	0.00	4.99	-5.39	2.031E-05	.009	.008	1.802E-08	10.88	.79	.50	.006
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	1.555E-05	.007	.007	1.211E-08	10.88	.79	.50	.005
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	1.423E-03	.713	.562	1.002E-04	10.13	.74	.50	.555
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	1.544E-04	.083	.065	1.340E-06	10.12	.74	.50	.064
80	45.0	-3.60	0.00	-7.62	-3.60	2.42	-7.93	2.471E-05	.012	.010	3.024E-08	10.13	.74	.50	.010
81	45.0	-3.55	0.00	-7.62	-3.55	3.76	-7.90	1.833E-05	.009	.007	1.660E-08	10.14	.74	.50	.007
82	45.0	-3.58	0.00	-7.62	-3.58	5.08	-7.92	2.171E-05	.011	.009	2.332E-08	10.14	.74	.50	.008
83	45.0	-3.62	0.00	-7.62	-3.62	5.79	-7.95	8.666E-06	.004	.003	3.721E-09	10.13	.74	.50	.003
84	45.0	-7.37	0.00	-7.62	-7.33	.31	-10.57	1.316E-03	.761	.520	9.893E-05	9.07	.67	.50	.720
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	1.227E-04	.071	.048	8.513E-07	9.06	.67	.50	.067
86	45.0	-7.75	0.00	-7.62	-7.36	2.36	-10.59	2.579E-05	.016	.011	4.107E-08	9.06	.67	.50	.015
87	45.0	-7.73	0.00	-7.62	-7.33	3.74	-10.57	1.899E-05	.011	.007	2.043E-08	9.07	.67	.50	.010
88	45.0	-7.34	0.00	-7.62	-7.33	5.03	-10.57	1.809E-05	.010	.007	1.870E-08	9.07	.67	.50	.010
89	45.0	-7.75	0.00	-7.62	-7.36	5.66	-10.59	9.959E-06	.006	.004	5.570E-09	9.06	.67	.50	.005

CF4T TEST (92), MRAC-E RSI GAPS, RUN (125) 1973 PAGE 63

MACH = 10.290 TT = 1.022E+03(K)
RX E06 = 7.746E-02 PI = 5.165E+06(N/M2)
RL E06 = 7.961E-02 T1 = 4.924E+01(K)
RE/METER = 3.134E+06 P1 = 0.978E+02(N/M2)
HO = 2.554E+08(W/M2- K) (RHO V)1 = 1.013E+01(KG/M2-S)
TW = 298.2 (K) GAP = .711 (CM)
STEP = 0.000(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	-13.33	7.62	0.00	-7.62	5.70	0.00	2.600E-05	.010	.010	2.649E-08	11.56	.83	.50	.007
10	90.0	-12.72	7.62	0.00	-7.62	5.03	0.00	2.557E-05	.011	.011	2.767E-08	11.56	.83	.50	.008
11	90.0	-11.74	7.62	0.00	-7.62	3.74	0.00	3.100E-05	.012	.012	3.765E-08	11.56	.83	.50	.009
12	90.0	-10.05	7.62	0.00	-7.62	2.36	0.00	5.171E-05	.020	.020	1.048E-07	11.56	.83	.50	.015
13	90.0	-8.83	7.62	0.00	-7.62	1.14	0.00	4.302E-04	.170	.170	7.252E-06	11.56	.83	.50	.122
14	90.0	-8.12	7.62	0.00	-7.62	.33	0.00	2.419E-03	.956	.956	2.293E-04	11.56	.83	.50	.687
15	90.0	-7.29	7.62	0.00	-7.29	0.00	0.00	3.522E-03	1.392	1.392	4.859E-04	11.56	.83	.50	
16	90.0	-3.63	7.62	0.00	-3.63	0.00	0.00	3.268E-03	1.291	1.291	4.183E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	2.942E-03	1.162	1.162	3.391E-04	11.56	.83	.50	
18	90.0	3.64	7.62	0.00	3.64	0.00	0.00	2.754E-03	1.088	1.088	2.971E-04	11.56	.83	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	0.00	1.486E-03	.587	.587	8.654E-05	11.56	.83	.50	
20															
21	90.0	8.72	7.62	0.00	7.62	1.17	0.00	2.637E-05	.010	.010	2.724E-08	11.56	.83	.50	.018
22															
23															
24	90.0	14.62	7.62	0.00	7.62	5.07	0.00	1.923E-05	.008	.008	1.449E-08	11.56	.83	.50	.013
25	90.0	13.29	7.62	0.00	7.62	5.73	0.00	2.120E-05	.008	.008	1.775E-08	11.56	.83	.50	.014
26	90.0	-13.35	11.38	3.76	-7.62	5.78	3.76	1.944E-05	.008	.008	1.539E-08	11.30	.81	.50	.005
27	90.0	-12.68	11.42	3.80	-7.62	5.04	3.80	1.277E-05	.005	.005	6.639E-09	11.29	.81	.50	.003
28	90.0	-11.36	11.38	3.76	-7.62	3.72	3.76	2.773E-05	.011	.011	3.131E-08	11.30	.81	.50	.008
29	90.0	-10.08	11.43	3.81	-7.62	2.44	3.81	4.150E-05	.017	.016	7.017E-08	11.29	.81	.50	.011
30	90.0	-8.81	11.45	3.83	-7.62	1.16	3.83	2.522E-04	.104	.100	2.593E-06	11.29	.81	.50	.069
31	90.0	-7.97	11.49	3.87	-7.62	.33	3.87	2.302E-03	.947	.919	2.163E-04	11.28	.81	.50	.627
32	90.0	-7.24	11.41	3.79	-7.24	0.00	3.79	3.579E-03	1.512	1.454	5.515E-04	11.30	.81	.50	
33	90.0	-3.71	11.54	3.92	-3.71	0.00	3.92	3.181E-03	1.311	1.257	4.134E-04	11.28	.81	.50	
34	90.0	0.00	11.57	3.95	0.00	0.00	3.95	2.880E-03	1.187	1.138	3.390E-04	11.27	.81	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	3.89	2.748E-03	1.129	1.083	3.064E-04	11.28	.81	.50	
36	90.0	7.23	11.35	3.74	7.23	0.00	3.74	1.598E-03	.656	.631	1.039E-04	11.30	.81	.50	
37	90.0	7.97	11.41	3.79	7.62	.37	3.79	4.803E-04	.197	.190	9.396E-06	11.30	.81	.50	.301
38	90.0	8.75	11.36	3.74	7.62	1.15	3.74	1.871E-04	.077	.074	1.425E-06	11.30	.81	.50	.117
39	90.0	9.95	11.42	3.80	7.62	2.35	3.80	4.753E-05	.020	.019	9.243E-08	11.29	.81	.50	.030
40	90.0	11.22	11.42	3.80	7.62	3.62	3.80	2.136E-05	.009	.008	1.858E-06	11.30	.81	.50	.013
41	90.0	12.64	11.29	3.67	7.62	5.04	3.67	2.366E-05	.010	.009	2.277E-08	11.31	.82	.50	.015
42	90.0	13.29	11.24	3.62	7.62	5.68	3.62	2.737E-05	.011	.011	3.088E-08	11.32	.82	.50	.017
43	90.0	-13.37	14.97	7.35	-7.62	5.70	7.35	1.234E-05	.005	.005	6.883E-09	10.50	.76	.50	.005
44	90.0	-12.67	14.95	7.33	-7.62	4.91	7.33	2.289E-05	.010	.009	2.366E-08	10.50	.76	.50	.009
45	90.0	-11.39	14.94	7.32	-7.62	3.72	7.32	5.321E-05	.024	.021	1.278E-07	10.51	.76	.50	.020
46	90.0	-10.07	14.99	7.36	-7.62	2.37	7.36	3.105E-05	.014	.012	4.358E-08	10.49	.76	.50	.012

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

PT	TIME (SEC)	XQUAD (CM)	XB (CM)	YB (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	-8.82	14.97	7.35	-7.62	1.16	7.35	1.485E-04	.068	.059	9.963E-07	10.50	.76	.50	.056
48	30.0	-7.98	14.88	7.26	-7.62	.33	7.26	1.502E-03	.693	.594	1.017E-04	10.52	.77	.50	.568
49	30.0	-7.80	14.89	7.27	-7.30	0.00	7.27	2.645E-03	1.202	1.045	3.153E-04	10.52	.77	.50	
50	30.0	-3.69	14.95	7.33	-3.69	0.00	7.33	2.737E-03	1.247	1.092	3.384E-04	10.50	.76	.50	
51	30.0	0.00	15.02	7.40	0.00	0.00	7.40	2.926E-03	1.336	1.156	3.877E-04	10.48	.76	.50	
52	30.0	3.69	14.97	7.35	3.69	0.00	7.35	3.124E-03	1.424	1.235	4.413E-04	10.50	.76	.50	
53	30.0	7.24	14.79	7.16	7.24	0.00	7.16	1.750E-03	.792	.691	1.375E-04	10.55	.77	.50	
54	30.0	7.49	14.88	7.26	7.62	.31	7.26	1.018E-03	.463	.402	4.669E-05	10.52	.77	.50	.584
55	30.0	9.69	14.92	7.30	7.62	1.11	7.30	5.109E-04	.232	.202	1.178E-05	10.51	.76	.50	.293
56	30.0	8.91	14.87	7.25	7.62	2.32	7.25	1.578E-04	.076	.066	1.268E-06	10.53	.77	.50	.096
57	30.0	11.23	14.88	7.26	7.62	3.70	7.26	3.518E-05	.016	.014	5.899E-09	10.52	.77	.50	.021
58	30.0	14.55	14.86	7.24	7.62	4.97	7.24	1.413E-05	.006	.006	8.995E-09	10.53	.77	.50	.009
59	30.0	13.20	14.87	7.25	7.62	5.62	7.25	3.054E-06	.001	.001	4.228E-13	10.53	.77	.50	.002
60	30.0	-7.14	15.24	7.62	-7.14	.27	7.62	1.329E-03	.612	.525	8.062E-05	10.41	.76	.50	.509
61	30.0	-7.35	15.24	7.62	-7.35	1.17	7.62	1.228E-04	.057	.049	6.887E-07	10.41	.76	.50	.047
62	30.0	-7.13	15.24	7.62	-7.13	2.34	7.62	5.289E-05	.024	.021	1.277E-07	10.41	.76	.50	.020
63	30.0	-7.19	15.24	7.62	-7.19	3.71	7.62	3.125E-05	.014	.012	4.459E-08	10.41	.76	.50	.012
64	30.0	-7.14	15.24	7.62	-7.14	5.02	7.62	2.735E-05	.013	.011	3.414E-08	10.41	.76	.50	.010
65	30.0	-7.14	15.24	7.62	-7.14	5.63	7.62	1.470E-05	.005	.004	5.225E-09	10.41	.76	.50	.004
66	30.0	-3.44	15.24	7.62	-3.44	.36	7.62	1.528E-03	.703	.604	1.066E-04	10.41	.76	.50	.564
67	30.0	-3.44	15.24	7.62	-3.44	1.19	7.62	1.761E-04	.081	.070	1.416E-06	10.41	.76	.50	.065
68	30.0	-3.45	15.24	7.62	-3.45	2.44	7.62	3.182E-05	.015	.013	4.621E-08	10.41	.76	.50	.012
69	30.0	-3.50	15.24	7.62	-3.50	3.74	7.62	2.091E-05	.010	.008	1.395E-08	10.41	.76	.50	.008
70	30.0	-3.46	15.24	7.62	-3.46	5.04	7.62	1.654E-05	.009	.007	1.264E-08	10.41	.76	.50	.006
71	30.0	-3.40	15.24	7.62	-3.40	5.91	7.62	2.082E-05	.009	.008	1.941E-08	10.41	.76	.50	.009
72	30.0	0.00	15.24	7.62	0.00	.38	7.62	1.973E-06	.001	.001	1.776E-10	10.41	.76	.50	.001
73	30.0	0.00	15.24	7.62	0.00	1.15	7.62	2.781E-04	.128	.110	3.529E-06	10.41	.76	.50	.096
74	30.0	0.00	15.24	7.62	0.00	2.37	7.62	4.931E-05	.023	.019	1.113E-07	10.41	.76	.50	.017
75	30.0	0.00	15.24	7.62	0.00	3.70	7.62	4.826E-05	.022	.019	1.063E-07	10.41	.76	.50	.017
76	30.0	0.00	15.24	7.62	0.00	4.99	7.62	2.096E-05	.010	.008	2.005E-08	10.41	.76	.50	.007
77	30.0	0.00	15.24	7.62	0.00	5.74	7.62	2.403E-05	.011	.009	2.635E-08	10.41	.76	.50	.009
78	30.0	3.59	15.24	7.62	3.59	.38	7.62	2.024E-03	.932	.800	1.869E-04	10.41	.76	.50	.654
79	30.0	3.63	15.24	7.62	3.63	1.17	7.62	3.947E-04	.182	.156	7.110E-06	10.41	.76	.50	.128
80	30.0	3.60	15.24	7.62	3.60	2.42	7.62	3.772E-05	.017	.015	6.496E-08	10.41	.76	.50	.012
81	30.0	3.55	15.24	7.62	3.55	3.76	7.62	3.159E-05	.015	.012	4.555E-08	10.41	.76	.50	.010
82	30.0	3.58	15.24	7.62	3.58	5.04	7.62	1.960E-05	.009	.008	1.789E-08	10.41	.76	.50	.006
83	30.0	3.62	15.24	7.62	3.62	5.79	7.62	2.618E-05	.012	.010	3.105E-08	10.41	.76	.50	.009
84	30.0	7.73	15.24	7.62	7.73	.31	7.62	1.442E-03	.664	.570	9.494E-05	10.41	.76	.50	.838
85	30.0	7.76	15.24	7.62	7.76	1.09	7.62	3.954E-04	.182	.156	7.127E-06	10.41	.76	.50	.230
86	30.0	7.79	15.24	7.62	7.79	2.36	7.62	1.157E-04	.054	.046	6.218E-07	10.41	.76	.50	.069
87	30.0	7.77	15.24	7.62	7.77	3.74	7.62	3.054E-05	.014	.012	4.287E-08	10.41	.76	.50	.013
88	30.0	7.73	15.24	7.62	7.73	5.03	7.62	2.058E-05	.009	.008	1.917E-08	10.41	.76	.50	.012
89	30.0	7.68	15.24	7.62	7.68	5.86	7.62	1.040E-05	.005	.004	4.938E-09	10.41	.76	.50	.006

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

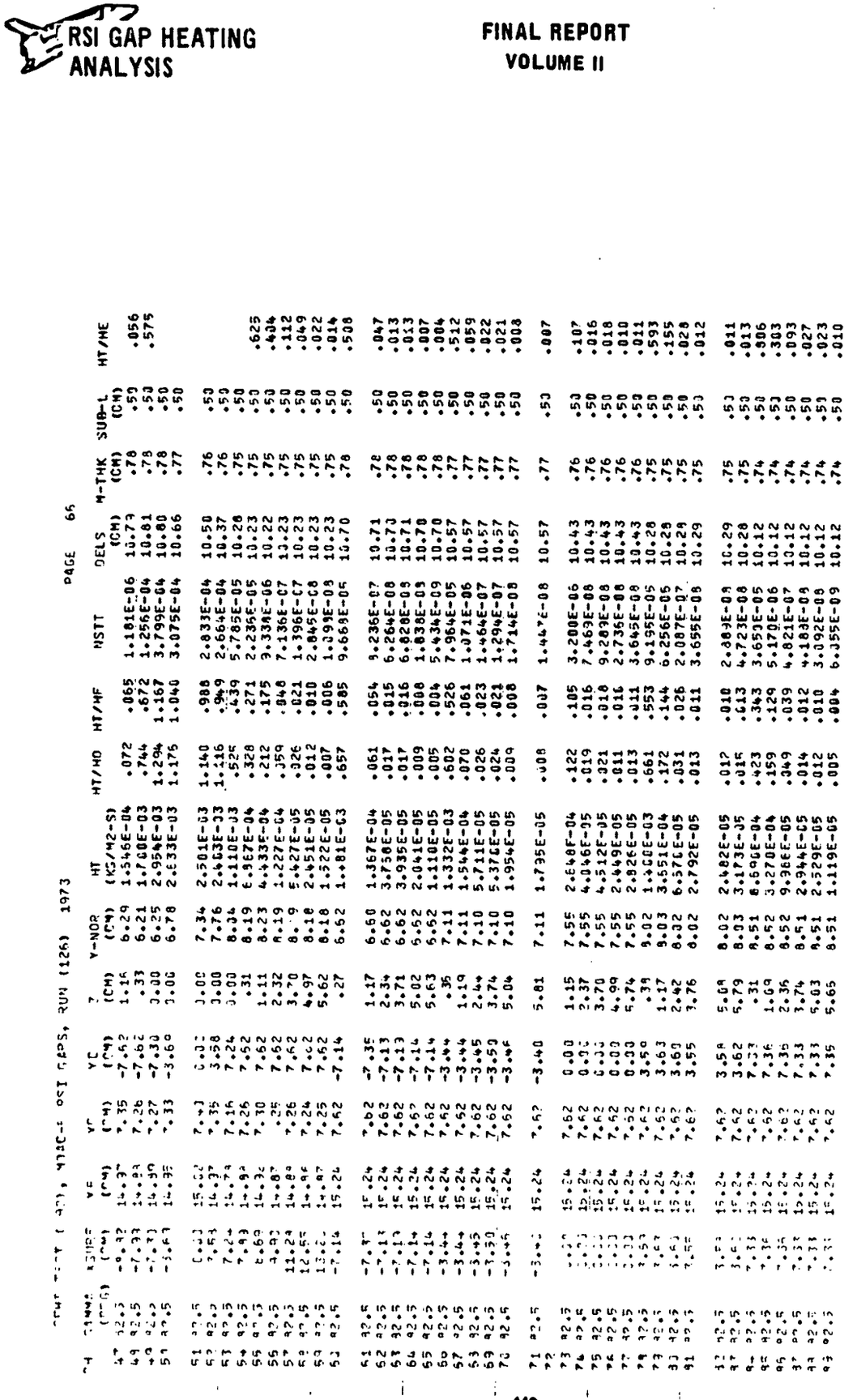
MACH = 10.290 TT = 1.024E+03(K)
PX E06 = 7.712E-02 PI = 5.161E+06(N/M2)
PL E06 = 7.926E-02 T1 = 4.834E+01(K)
RE/METER = 3.120E+06 P1 = 0.977E+02(N/M2)
HC = 2.564E+00(W/M2- K) (RHO V)1 = 1.011E+01(KG/M2-S)
TW = 298.0 (K) GAP = .711 (CM)
STEP = 0.100(CM) CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	-13.19	7.62	0.00	-7.62	5.70	-.99	3.250E-05	.013	.013	4.204E-08	11.52	.83	.50	.008
10	82.5	-12.72	7.62	0.00	-7.62	5.03	-.99	2.044E-05	.008	.008	1.653E-08	11.52	.83	.50	.005
11	82.5	-11.34	7.62	0.00	-7.62	3.74	-.99	6.226E-05	.025	.025	1.534E-07	11.52	.83	.50	.016
12	82.5	-10.05	7.62	0.00	-7.62	2.36	-.39	6.500E-05	.026	.026	1.724E-07	11.52	.83	.50	.017
13	82.5	-9.83	7.62	0.00	-7.62	1.14	-.99	4.762E-04	.190	.188	8.971E-06	11.52	.83	.50	.123
14	82.5	-9.32	7.62	0.00	-7.62	.33	-.99	2.724E-03	1.085	1.076	2.937E-04	11.52	.83	.50	.704
15	82.5	-7.29	7.62	0.00	-7.29	0.00	-.95	3.870E-03	1.541	1.529	5.925E-04	11.53	.83	.50	
16	82.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.462E-03	1.373	1.368	4.723E-04	11.55	.83	.50	
17	82.5	0.03	7.62	0.00	0.00	0.00	0.00	3.082E-03	1.218	1.218	3.729E-04	11.56	.83	.50	
18	82.5	3.54	7.62	0.00	3.54	0.00	.46	2.915E-03	1.116	1.112	3.122E-04	11.56	.83	.50	
19	82.5	7.27	7.62	0.00	7.27	0.00	.95	1.533E-03	.610	.606	9.297E-05	11.55	.83	.50	
20	82.5	7.37	7.62	0.00	7.62	.41	.99	7.814E-07	.000	.000	2.416E-11	11.55	.83	.50	.001
21	82.5	8.72	7.62	0.00	7.62	1.17	.99	7.588E-05	.030	.030	2.278E-07	11.55	.83	.50	.050
22	82.5	9.94	7.62	0.00	7.62	2.39	.99	1.468E-06	.001	.001	8.533E-11	11.55	.83	.50	.001
23	82.5	11.25	7.62	0.00	7.62	3.70	.99	6.591E-06	.003	.003	1.719E-09	11.55	.83	.50	.004
24	82.5	12.62	7.62	0.00	7.62	5.07	.99	1.793E-05	.007	.007	1.272E-08	11.55	.83	.50	.012
25	82.5	13.23	7.62	0.00	7.62	5.73	.99	2.570E-05	.011	.011	2.820E-08	11.55	.83	.50	.017
26	82.5	-13.35	11.38	3.76	-7.62	5.79	2.74	1.819E-05	.007	.007	1.329E-08	11.43	.82	.50	.005
27	82.5	-12.69	11.42	3.80	-7.62	5.04	2.78	2.178E-05	.009	.009	1.907E-08	11.43	.82	.50	.006
28	82.5	-11.76	11.39	3.76	-7.62	3.72	2.73	4.235E-05	.017	.017	7.203E-08	11.43	.82	.50	.011
29	82.5	-11.08	11.43	3.81	-7.62	2.44	2.79	4.101E-05	.017	.016	6.761E-08	11.42	.82	.50	.011
30	82.5	-9.90	11.45	3.83	-7.62	1.16	2.80	2.171E-04	.088	.086	1.896E-06	11.42	.82	.50	.057
31	82.5	-7.97	11.49	3.87	-7.62	.33	2.84	2.350E-03	.951	.928	2.221E-04	11.42	.82	.50	.612
32	82.5	-7.24	11.41	3.79	-7.24	0.00	2.81	3.839E-03	1.554	1.517	5.926E-04	11.42	.82	.50	
33	82.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.254E-03	1.329	1.286	4.297E-04	11.35	.82	.50	
34	82.5	0.00	11.57	3.95	0.00	0.00	3.92	2.884E-03	1.188	1.140	3.404E-04	11.28	.81	.50	
35	82.5	3.59	11.51	3.89	3.59	0.00	4.32	2.565E-03	1.108	1.053	2.933E-04	11.21	.81	.50	
36	82.5	7.29	11.35	3.74	7.28	0.00	4.66	1.510E-03	.632	.597	9.485E-05	11.15	.81	.50	
37	82.5	7.97	11.41	3.79	7.62	.37	4.75	4.377E-04	.184	.173	7.988E-06	11.13	.80	.50	.290
38	82.5	8.75	11.36	3.74	7.62	1.15	4.70	1.752E-04	.073	.069	1.279E-06	11.14	.80	.50	.116
39	82.5	9.35	11.42	3.80	7.62	2.35	4.76	6.005E-05	.025	.024	1.504E-07	11.13	.80	.50	.040
40	82.5	11.22	11.42	3.80	7.62	3.62	4.76	2.925E-05	.012	.012	3.568E-08	11.13	.80	.50	.019
41	82.5	12.64	11.29	3.67	7.62	5.04	4.63	2.229E-05	.009	.009	2.067E-08	11.16	.81	.50	.015
42	82.5	13.28	11.24	3.62	7.62	5.68	4.58	9.148E-06	.004	.004	3.477E-09	11.16	.81	.50	.006
43	82.5	-13.37	14.97	7.35	-7.62	5.70	6.29	1.549E-05	.007	.006	1.046E-08	10.79	.78	.50	.005
44	82.5	-12.67	14.95	7.33	-7.62	4.91	6.27	2.217E-05	.010	.009	2.141E-08	10.80	.78	.50	.008
45	82.5	-11.39	14.94	7.32	-7.62	3.72	6.26	3.109E-05	.014	.012	4.206E-08	10.80	.78	.50	.011
46	82.5	-10.13	14.99	7.36	-7.62	2.37	6.30	3.614E-05	.016	.014	5.692E-08	10.79	.78	.50	.012

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.



PRNT TEST (921), MDAC-E PSI GAPS, RUN (127) 1973

MACH = 10.290
PX FOR = 8.003E-02
PL FOR = 9.232E-02
RE/METER = 3.241E+06
HO = 2.554E+08(W/M2- K)
TW = 298.9 (K)
STEP = 0.000(CM)

TT = 1.005E+03(K)
PI = 5.164E+06(N/M2)
T1 = 4.735E+01(K)
P1 = 0.980E+02(N/M2)
(RHO V)1 = 1.025E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (BELOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.39	7.62	0.00	-7.62	5.70	-1.97	2.757E-05	.011	.011	2.990E-08	11.45	.82	.50	.007
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	2.308E-05	.009	.009	2.096E-08	11.45	.82	.50	.006
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	3.495E-05	.014	.014	4.804E-08	11.45	.82	.50	.009
12	75.0	-11.35	7.62	0.00	-7.62	2.35	-1.97	5.996E-05	.024	.024	1.414E-07	11.45	.82	.50	.015
13	75.0	-9.93	7.62	0.00	-7.62	1.14	-1.97	5.209E-04	.209	.205	1.064E-05	11.45	.82	.50	.132
14	75.0	-9.02	7.62	0.00	-7.62	.33	-1.97	2.910E-03	1.128	1.110	3.106E-04	11.45	.82	.50	.714
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	3.937E-03	1.579	1.556	6.091E-04	11.46	.82	.50	
16	75.0	-3.63	7.62	0.00	-3.63	0.00	-.94	3.388E-03	1.349	1.339	4.470E-04	11.53	.83	.50	
17	75.0	0.01	7.62	0.00	0.00	0.00	0.00	2.991E-03	1.182	1.182	3.465E-04	11.56	.83	.50	
18	75.0	3.54	7.62	0.00	3.54	0.00	.92	2.731E-03	1.087	1.079	2.909E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	0.00	1.88	1.573E-03	.631	.621	9.720E-05	11.50	.83	.50	
20															
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.129E-04	.045	.045	5.015E-07	11.50	.83	.50	.072
22	75.0	9.94	7.62	0.00	7.62	2.39	1.97	2.460E-05	.010	.010	2.380E-08	11.50	.83	.50	.016
23	75.0	11.25	7.62	0.00	7.62	3.70	1.97	1.293E-05	.005	.005	6.574E-09	11.50	.83	.50	.008
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	3.164E-05	.013	.013	3.937E-08	11.50	.83	.50	.020
25	75.0	13.28	7.62	0.00	7.62	5.73	1.97	3.794E-05	.015	.015	5.661E-08	11.50	.83	.50	.024
26	75.0	-13.35	11.38	3.76	-7.62	5.70	1.66	2.267E-05	.009	.009	2.016E-08	11.52	.83	.50	.006
27	75.0	-12.69	11.42	3.80	-7.62	5.04	1.70	4.719E-05	.019	.019	8.741E-08	11.52	.83	.50	.012
28	75.0	-11.36	11.38	3.76	-7.62	3.72	1.66	2.300E-05	.009	.009	2.075E-08	11.52	.83	.50	.006
29	75.0	-10.11	11.43	3.81	-7.62	2.44	1.71	4.079E-05	.016	.016	6.530E-08	11.51	.83	.50	.011
30	75.0	-8.80	11.45	3.83	-7.62	1.15	1.73	2.120E-04	.085	.084	1.764E-06	11.51	.83	.50	.055
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	2.341E-03	.938	.925	2.152E-04	11.51	.83	.50	.607
32	75.0	-7.24	11.41	3.79	-7.24	0.00	1.79	3.855E-03	1.545	1.523	5.836E-04	11.51	.83	.50	
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.93	3.166E-03	1.282	1.251	3.976E-04	11.42	.82	.50	
34	75.0	0.03	11.57	3.95	0.30	0.00	3.82	2.747E-03	1.129	1.086	3.041E-04	11.29	.81	.50	
35	75.0	3.59	11.51	3.89	3.59	0.00	4.69	2.558E-03	1.076	1.015	2.798E-04	11.15	.81	.50	
36	75.0	7.28	11.36	3.74	7.28	0.00	5.50	1.476E-03	.630	.581	9.075E-05	10.98	.79	.50	
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	4.201E-04	.181	.166	7.440E-06	10.95	.79	.50	.287
38	75.0	8.75	11.36	3.74	7.62	1.15	5.59	1.548E-04	.071	.065	1.143E-06	10.96	.79	.50	.112
39	75.0	9.95	11.42	3.80	7.62	2.35	5.64	5.925E-05	.025	.023	1.488E-07	10.95	.79	.50	.040
40	75.0	11.22	11.42	3.80	7.62	3.62	5.64	3.348E-05	.014	.013	4.724E-08	10.95	.79	.50	.023
41	75.0	14.84	11.23	3.67	7.62	5.04	5.51	1.522E-05	.007	.006	1.105E-08	10.98	.79	.50	.011
42	75.0	13.29	11.24	3.62	7.62	5.68	5.47	1.094E-05	.005	.004	5.023E-09	10.99	.79	.50	.007
43	75.0	-13.37	14.97	7.35	-7.62	5.70	5.12	1.383E-05	.006	.005	7.936E-09	11.06	.80	.50	.004
44	75.0	-12.67	14.95	7.33	-7.62	4.91	5.10	2.281E-05	.010	.009	2.158E-08	11.06	.80	.50	.007
45	75.0	-11.33	14.94	7.32	-7.62	3.72	5.09	4.189E-05	.018	.017	7.274E-08	11.07	.80	.50	.013
46	75.0	-11.93	14.98	7.36	-7.62	2.37	5.13	6.559E-05	.028	.026	1.786E-07	11.06	.80	.50	.021

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 60

J	ALPHA (DEG)	XSTART (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOP (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	75.0	-9.82	14.97	7.35	-7.62	1.16	5.12	1.998E-04	.085	.079	1.657E-06	11.06	.80	.50	.063
48	75.0	-7.39	14.89	7.26	-7.62	.33	5.04	1.851E-03	.786	.736	1.435E-04	11.08	.80	.50	.590
49	75.0	-7.11	14.89	7.27	-7.30	3.00	5.13	3.147E-03	1.332	1.243	4.103E-04	11.06	.80	.50	
50	75.0	-3.69	14.95	7.33	-3.69	0.00	6.12	2.336E-03	1.109	1.004	2.759E-04	10.83	.79	.50	
51	75.0	0.00	15.02	7.43	0.00	0.00	7.15	2.243E-03	1.015	.886	2.233E-04	10.56	.77	.50	
52	75.0	-3.69	14.97	7.35	3.69	0.00	8.03	2.003E-03	.946	.791	1.857E-04	10.28	.75	.50	
53	75.0	7.24	14.79	7.16	7.24	3.00	8.79	8.557E-04	.428	.342	3.633E-05	10.02	.73	.50	
54	75.0	7.99	14.89	7.26	7.62	.31	8.99	5.553E-04	.278	.219	1.512E-05	9.95	.73	.50	.649
55	75.0	3.69	14.92	7.30	7.62	1.11	9.02	3.645E-04	.183	.144	6.528E-06	9.94	.73	.50	.427
56	75.0	3.93	14.87	7.25	7.62	2.32	8.98	8.224E-05	.041	.032	3.316E-07	9.95	.73	.50	.096
57	75.0	11.23	14.84	7.26	7.62	3.70	8.98	1.845E-05	.009	.007	1.673E-08	9.95	.73	.50	.022
58	75.0	12.55	14.86	7.24	7.62	4.97	8.97	2.151E-05	.011	.009	2.208E-08	9.95	.73	.50	.025
59	75.0	13.23	14.87	7.25	7.62	5.62	8.98	1.276E-05	.006	.005	7.902E-09	9.95	.73	.50	.015
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	1.304E-03	.687	.634	1.083E-04	10.98	.79	.50	.516
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	1.326E-04	.057	.052	7.368E-07	10.99	.80	.50	.043
62	75.0	-7.13	15.24	7.62	-7.13	2.34	5.52	3.120E-05	.013	.012	4.089E-08	10.98	.79	.50	.010
63	75.0	-7.13	15.24	7.62	-7.13	3.71	5.58	3.056E-05	.013	.012	3.920E-08	10.98	.79	.50	.010
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	3.080E-05	.013	.012	4.003E-08	10.98	.79	.50	.010
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	1.147E-05	.005	.005	5.523E-09	10.98	.79	.50	.004
66	75.0	-3.69	15.24	7.62	-3.69	.16	6.47	1.199E-03	.529	.474	6.219E-05	10.74	.78	.50	.477
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	1.585E-04	.074	.067	1.229E-06	10.74	.78	.50	.067
68	75.0	-3.45	15.24	7.62	-3.45	2.44	6.47	4.086E-05	.022	.019	1.033E-07	10.74	.78	.50	.019
69	75.0	-3.69	15.24	7.62	-3.69	3.74	6.45	2.950E-05	.013	.012	3.709E-08	10.75	.78	.53	.042
70	75.0	-3.46	15.24	7.62	-3.46	5.04	6.46	1.515E-05	.007	.006	1.128E-08	10.75	.78	.50	.006
71	75.0	-3.40	15.24	7.62	-3.40	5.81	6.46	1.945E-05	.009	.008	1.638E-08	10.74	.78	.50	.008
72	75.0	0.00	15.24	7.62	0.00	.38	7.36	1.779E-06	.001	.001	1.415E-10	10.49	.76	.50	.001
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	2.8E7E-04	.131	.113	3.675E-06	10.49	.76	.50	.129
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	8.315E-05	.031	.027	2.076E-07	10.49	.76	.50	.031
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	3.255E-05	.015	.013	4.735E-08	10.49	.76	.50	.015
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	3.581E-05	.016	.014	5.733E-08	10.49	.76	.50	.016
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	1.899E-05	.009	.008	1.612E-08	10.49	.76	.50	.009
78	75.0	3.69	15.24	7.62	3.69	.38	8.29	1.071E-03	.514	.423	5.396E-05	10.20	.74	.50	.543
79	75.0	3.63	15.24	7.62	3.63	1.17	8.30	3.421E-04	.164	.135	5.509E-06	10.19	.74	.50	.174
80	75.0	3.60	15.24	7.62	3.60	2.42	8.29	5.756E-05	.028	.023	1.559E-07	10.19	.74	.50	.029
81	75.0	3.69	15.24	7.62	3.55	3.76	8.28	2.559E-05	.012	.010	3.074E-08	10.20	.74	.50	.013
82	75.0	7.73	15.24	7.62	3.59	5.08	8.29	2.240E-05	.011	.009	2.360E-08	10.20	.74	.50	.011
83	75.0	7.62	15.24	7.62	3.62	5.79	8.30	1.557E-05	.008	.006	1.155E-08	10.19	.74	.50	.008
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	6.355E-04	.323	.251	2.313E-05	9.85	.72	.50	.755
85	75.0	7.38	15.24	7.62	7.36	1.09	9.26	2.895E-04	.147	.114	4.179E-06	9.84	.72	.50	.344
86	75.0	7.38	15.24	7.62	7.36	2.35	9.26	7.776E-05	.040	.031	3.014E-07	9.84	.72	.50	.092
87	75.0	7.33	15.24	7.62	7.33	3.74	9.26	3.569E-05	.018	.014	6.349E-08	9.85	.72	.50	.042
88	75.0	7.33	15.24	7.62	7.33	5.03	9.26	1.957E-05	.009	.007	1.736E-08	9.85	.72	.50	.022
89	75.0	7.39	15.24	7.62	7.39	5.66	9.26	1.255E-05	.006	.005	7.975E-39	9.84	.72	.50	.015

3.4-254

CFHT TEST (32), MOAC-E PSI GAPS, RUN (128) 1973 PAGE 69

MACH = 14.290
PX E06 = 8.093E-02
PL E06 = 8.314E-02
PF/ME*EP = 3.273E+06
HO = 2.554E+03(W/M2- K)
TW = 299.0 (K)
STEP = 0.000(CM)

TT = 1.000E+03(K)
PI = 5.167E+06(N/M2)
T1 = 4.711E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.029E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

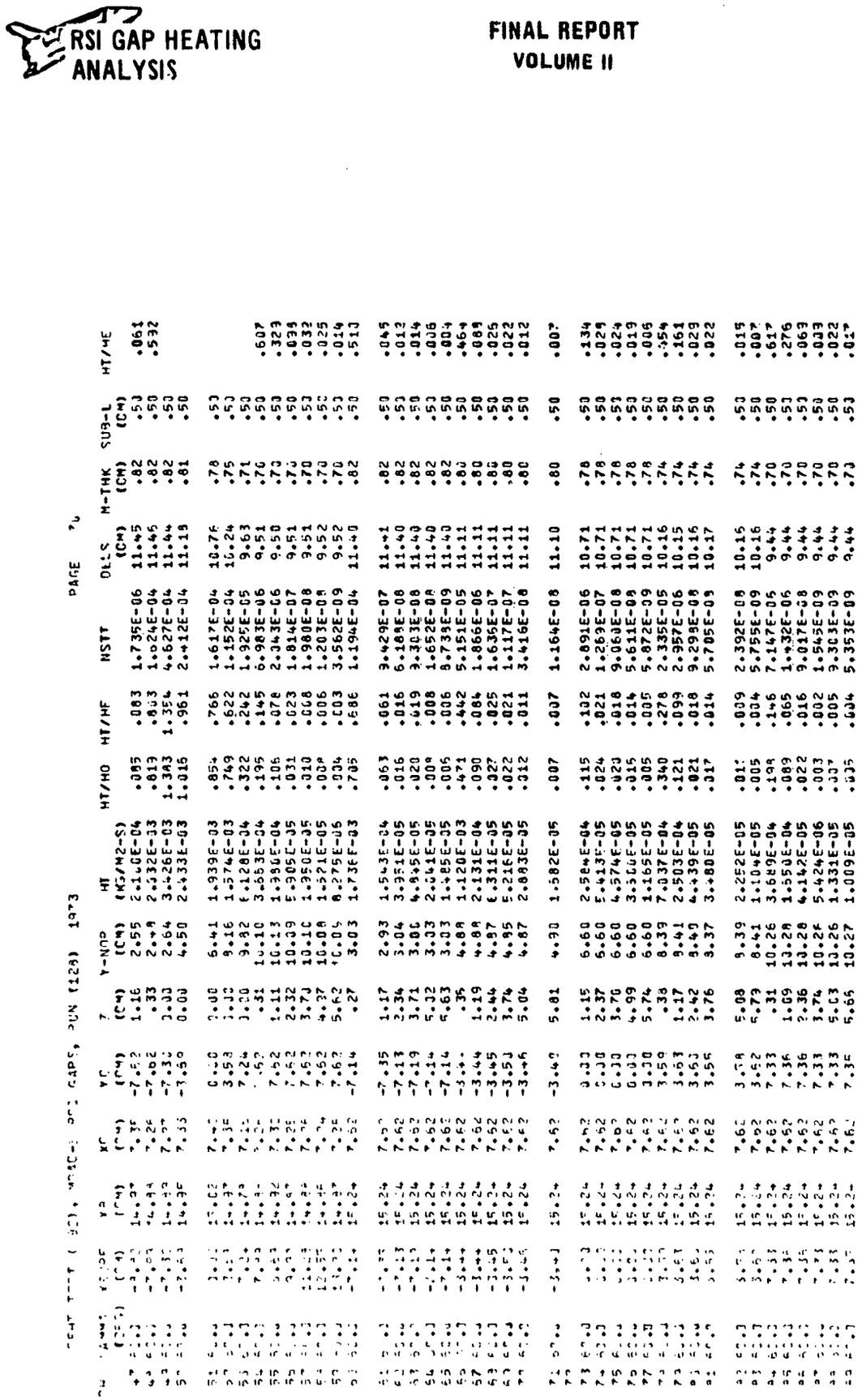
TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

TH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	-13.39	7.62	0.00	-7.62	5.70	-3.81	3.308E-05	.014	.013	4.424E-08	11.21	.81	.50	.008
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	3.155E-05	.013	.012	4.025E-08	11.21	.81	.50	.008
11	60.0	-11.94	7.62	0.00	-7.62	3.74	-3.81	3.636E-05	.015	.014	5.345E-08	11.21	.81	.50	.009
12	60.0	-10.05	7.62	0.00	-7.62	2.36	-3.81	5.213E-05	.022	.021	1.099E-07	11.21	.81	.50	.013
13	60.0	-9.33	7.62	0.00	-7.62	1.14	-3.81	4.914E-04	.199	.190	9.369E-06	11.21	.81	.50	.123
14	60.0	-9.02	7.62	0.00	-7.62	.33	-3.81	2.737E-03	1.134	1.082	3.030E-04	11.21	.81	.50	.700
15	60.0	-7.29	7.62	0.00	-7.29	0.00	-3.65	3.924E-03	1.619	1.551	6.204E-04	1..23	.81	.50	
16	60.0	-3.63	7.62	0.00	-3.63	0.00	-1.82	3.330E-03	1.335	1.316	4.338E-04	11.47	.82	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	2.953E-03	1.167	1.167	3.363E-04	11.56	.83	.50	
18	60.0	3.64	7.62	0.00	3.64	0.00	1.77	2.735E-03	1.096	1.081	2.926E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	0.00	3.63	1.759E-03	.721	.695	1.238E-04	11.32	.82	.50	
20	60.0	7.97	7.62	0.00	7.62	.41	3.81	8.571E-07	.000	.000	2.947E-11	11.29	.81	.50	.000
21	60.0	8.72	7.62	0.00	7.62	1.17	3.81	1.398E-04	.057	.055	7.844E-07	11.29	.81	.50	.080
22	60.0	8.94	7.62	0.00	7.62	2.39	3.81	3.559E-05	.015	.014	5.372E-08	11.29	.81	.50	.021
23	60.0	11.25	7.62	0.00	7.62	3.70	3.81	2.089E-05	.009	.008	1.751E-08	11.29	.81	.50	.012
24	60.0	12.62	7.62	0.00	7.62	5.07	3.81	2.464E-05	.010	.010	2.436E-08	11.29	.81	.50	.014
25	60.0	13.28	7.62	0.00	7.62	5.73	3.81	2.307E-05	.009	.009	2.135E-08	11.29	.81	.50	.013
26	60.0	-13.35	11.38	3.76	-7.62	5.70	-.55	1.469E-05	.006	.006	8.361E-09	11.54	.83	.50	.004
27	60.0	-12.68	11.42	3.80	-7.62	5.04	-.52	2.831E-05	.011	.011	3.105E-08	11.55	.83	.50	.007
28	60.0	-11.96	11.38	3.76	-7.62	3.72	-.55	3.534E-05	.014	.014	5.119E-08	11.54	.83	.50	.009
29	60.0	-10.08	11.43	3.81	-7.62	2.44	-.51	3.870E-05	.015	.015	5.801E-08	11.55	.83	.50	.010
30	60.0	-8.83	11.45	3.83	-7.62	1.16	-.49	2.197E-04	.087	.087	1.869E-06	11.55	.83	.50	.055
31	60.0	-7.97	11.49	3.87	-7.62	.33	-.46	2.410E-03	.956	.952	2.249E-04	11.55	.83	.50	.607
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	3.973E-03	1.574	1.570	6.105E-04	11.55	.83	.50	
33	60.0	-3.71	11.54	3.92	-3.71	0.00	1.54	3.405E-03	1.362	1.345	4.527E-04	11.52	.83	.50	
34	60.0	0.00	11.57	3.95	0.00	0.00	3.42	2.756E-03	1.126	1.089	3.029E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.527E-03	1.071	.999	2.643E-04	11.05	.80	.50	
36	60.0	7.28	11.36	3.74	7.28	0.00	6.88	1.441E-03	.646	.569	9.088E-05	10.63	.77	.50	
37	60.0	7.97	11.41	3.79	7.62	.37	7.09	4.312E-04	.195	.170	8.197E-06	10.57	.77	.50	.301
38	60.0	8.75	11.38	3.76	7.62	1.15	7.05	1.477E-04	.067	.058	9.604E-07	10.58	.77	.50	.103
39	60.0	8.95	11.42	3.80	7.62	2.35	7.10	4.157E-05	.019	.016	7.723E-08	10.57	.77	.50	.029
40	60.0	11.27	11.42	3.80	7.62	3.62	7.10	2.434E-05	.011	.010	2.613E-09	10.57	.77	.50	.017
41	60.0	12.64	11.29	3.67	7.62	5.04	6.99	9.516E-06	.004	.004	3.978E-09	10.60	.77	.50	.007
42	60.0	13.29	11.24	3.62	7.62	5.68	6.94	7.370E-06	.004	.003	2.786E-09	10.61	.77	.50	.006
43	60.0	-13.77	14.97	7.35	-7.62	5.70	2.55	1.720E-05	.007	.007	1.164E-08	11.45	.82	.50	.005
44	60.0	-12.57	14.95	7.33	-7.62	4.91	2.53	2.970E-05	.012	.012	3.470E-08	11.45	.82	.50	.009
45	60.0	-11.33	14.94	7.32	-7.62	3.72	2.53	3.550E-05	.015	.014	5.242E-08	11.45	.82	.50	.011
46	60.0	-10.03	14.98	7.36	-7.62	2.37	2.56	4.806E-05	.019	.019	9.093E-08	11.45	.82	.50	.014

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.



CFAT TEST (82), MJSC-E RSI GAPS, RUN (129) 1973 PAGE 71

MACH	= 10.290	TT	= 9.384E+02(K)
RE/FOOT	= 8.120E+02	PI	= 5.167E+06(N/M2)
RE/METER	= 3.286E+06	T1	= 4.701E+01(K)
HO	= 2.554E+07(W/M2- K)	(RHO V)1	= 1.031E+01(KG/M2-S)
TW	= 2.8E+ (K)	GAP	= .711 (CM)
STEP	= 5.000(CM)	CONF	=STAG

TAW/TT =0.83E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG.)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

ROW	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.39	7.62	0.00	-7.62	5.73	-5.39	2.779E-05	.012	.011	3.329E-08	10.88	.79	.50	.008
10	45.0	-12.72	7.62	0.00	-7.62	5.03	-5.39	4.087E-05	.018	.016	7.202E-08	10.88	.79	.50	.012
11	45.0	-11.34	7.62	0.00	-7.62	3.7[illegible]	-5.39	5.626E-05	.025	.022	1.365E-07	10.88	.79	.50	.015
12	45.0	-10.05	7.62	0.00	-7.62	2.36	-5.39	7.127E-05	.032	.028	2.190E-07	10.88	.79	.50	.020
13	45.0	-8.83	7.62	0.00	-7.62	1.14	-5.39	3.188E-04	.141	.126	4.382E-06	10.88	.79	.50	.090
14	45.0	-8.19	7.62	0.00	-7.62	.33	-5.39	2.296E-03	1.011	.903	2.252E-04	10.88	.79	.50	.645
15	45.0	-7.29	7.62	0.00	-7.29	0.00	-5.16	3.591E-03	1.566	1.415	5.473E-04	10.93	.79	.50	
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.250E-03	1.311	1.284	4.152E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.913E-03	1.151	1.151	3.270E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.884E-03	1.162	1.139	3.267E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	0.00	5.14	2.007E-03	.850	.793	1.663E-04	11.06	.80	.50	
20															
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.388E-04	.059	.055	8.022E-07	11.00	.80	.50	.070
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	6.140E-05	.026	.024	1.569E-07	11.60	.80	.50	.031
23	45.0	11.26	7.62	0.00	7.62	3.70	5.39	2.541E-05	.011	.010	2.687E-08	11.00	.80	.50	.013
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	1.871E-05	.008	.007	1.457E-08	11.00	.80	.50	.009
25	45.0	13.28	7.62	0.00	7.62	5.73	5.39	2.353E-05	.010	.009	2.305E-08	11.00	.80	.50	.012
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	1.371E-05	.006	.005	7.420E-09	11.37	.82	.50	.003
27	45.0	-12.68	11.42	3.80	-7.62	5.04	-2.70	4.274E-05	.017	.017	7.202E-08	11.37	.82	.50	.010
28	45.0	-11.36	11.38	3.76	-7.62	3.72	-2.73	1.701E-05	.007	.007	1.142E-08	11.37	.82	.50	.004
29	45.0	-10.08	11.43	3.81	-7.62	2.44	-2.69	7.589E-05	.031	.030	2.271E-07	11.37	.82	.50	.017
30	45.0	-8.84	11.45	3.83	-7.62	1.16	-2.68	3.782E-04	.153	.149	5.639E-06	11.37	.82	.50	.086
31	45.0	-7.97	11.49	3.87	-7.62	.33	-2.65	2.525E-03	1.141	1.116	3.144E-04	11.38	.82	.50	.638
32	45.0	-7.24	11.41	3.79	-7.24	0.00	-2.44	4.440E-03	1.788	1.754	7.740E-04	11.40	.82	.50	
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.406E-03	1.347	1.346	4.474E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.717E-03	1.100	1.074	2.913E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.471E-03	1.052	.976	2.533E-04	11.02	.80	.50	
36	45.0	7.29	11.36	3.74	7.29	0.00	7.79	1.525E-03	.710	.603	1.056E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	5.011E-04	.237	.198	1.159E-05	10.27	.75	.50	.334
38	45.0	8.75	11.36	3.74	7.62	1.15	8.03	1.172E-04	.055	.046	6.326E-07	10.28	.75	.50	.078
39	45.0	8.95	11.42	3.80	7.62	2.35	8.09	3.242E-05	.015	.013	4.854E-08	10.27	.75	.50	.022
40	45.0	11.23	11.42	3.80	7.62	3.62	8.07	7.045E-06	.003	.003	2.292E-09	10.27	.75	.50	.005
41	45.0	11.64	11.23	3.67	7.62	5.04	7.98	1.473E-05	.007	.006	9.308E-09	10.30	.75	.50	.010
42	45.0	11.24	11.24	3.62	7.62	5.68	7.95	6.548E-06	.003	.003	1.965E-09	10.31	.75	.50	.004
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	2.946E-05	.012	.012	3.349E-08	11.55	.83	.50	.008
44	45.0	-12.67	14.95	7.33	-7.62	4.91	-.21	1.867E-05	.007	.007	1.261E-08	11.55	.83	.50	.005
45	45.0	-11.75	14.94	7.32	-7.62	3.72	-.22	4.375E-05	.017	.017	7.386E-08	11.55	.83	.50	.013
46	45.0	-10.48	14.93	7.31	-7.62	2.47	-.19	8.857E-05	.037	.037	1.814E-07	11.55	.83	.50	.020

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

OFHT TEST (92), MDAC-E RSI GAPS, RUN (129) 1973 PAGE 72

PH	GAMMA (DEG)	XCURF (CM)	YS (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	+5.0	-3.92	14.97	7.35	-7.62	1.15	-.19	2.102E-04	.083	.083	1.704E-06	11.55	.83	.50	.061
48	+5.0	-7.99	14.99	7.26	-7.62	.33	-.25	2.030E-03	.804	.802	1.592E-04	11.55	.83	.50	.586
49	45.0	-7.37	14.89	7.27	-7.30	0.00	-.02	3.474E-03	1.373	1.373	4.651E-04	11.56	.83	.50	
50	45.0	-3.69	14.95	7.33	-3.69	0.00	2.58	2.415E-03	.974	.954	2.293E-04	11.45	.82	.50	
51	45.0	0.00	15.02	7.40	0.00	0.00	5.23	1.704E-03	.724	.673	1.203E-04	11.04	.80	.50	
52	+5.0	3.58	14.97	7.35	3.58	0.00	7.73	1.375E-03	.637	.543	8.541E-05	10.38	.76	.50	
53	+5.0	7.24	14.78	7.16	7.24	0.00	10.18	5.402E-04	.289	.213	1.524E-05	9.48	.70	.50	
54	+5.0	7.89	14.88	7.26	7.62	.31	10.52	3.117E-04	.170	.123	5.136E-06	9.33	.69	.50	.586
55	+5.0	8.69	14.92	7.30	7.62	1.11	10.55	9.272E-05	.051	.037	4.579E-07	9.32	.69	.50	.175
56	45.0	9.80	14.87	7.25	7.62	2.32	10.52	1.937E-05	.011	.008	2.121E-08	9.33	.69	.50	.038
57	+5.0	11.28	14.88	7.26	7.62	3.78	10.52	1.546E-05	.008	.005	1.21.E-08	9.33	.69	.50	.029
58	45.0	12.55	14.86	7.24	7.62	4.97	10.51	9.824E-06	.005	.004	5.131E-09	9.34	.69	.50	.019
59	45.0	13.24	14.87	7.25	7.62	5.62	10.52	4.416E-06	.002	.002	1.037E-09	9.33	.69	.50	.009
60	45.0	-7.14	15.24	7.62	-7.14	.27	.34	1.766E-03	.676	.674	1.124E-04	11.56	.83	.50	.492
61	+5.0	-7.35	15.24	7.62	-7.35	1.17	.19	1.707E-04	.063	.067	1.125E-06	11.56	.83	.50	.049
62	45.0	-7.13	15.24	7.62	-7.13	2.34	.35	4.399E-05	.017	.017	7.478E-08	11.56	.83	.50	.013
63	45.0	-7.19	15.24	7.62	-7.19	3.71	.30	3.299E-05	.013	.013	4.202E-08	11.56	.83	.50	.010
64	45.0	-7.14	15.24	7.62	-7.14	5.02	.34	2.502E-05	.010	.010	2.615E-08	11.56	.83	.50	.008
65	+5.0	-7.14	15.24	7.62	-7.14	6.63	.34	1.818E-05	.007	.007	1.276E-08	11.56	.83	.50	.005
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.35	1.079E-03	.438	.426	4.605E-05	11.41	.82	.50	.449
67	+5.0	-3.44	15.24	7.62	-3.44	1.19	2.95	2.437E-04	.099	.096	2.350E-06	11.41	.82	.50	.102
68	45.0	-3.45	15.24	7.62	-3.45	2.44	2.95	4.523E-05	.019	.018	8.452E-08	11.41	.82	.50	.019
69	+5.0	-3.50	15.24	7.62	-3.50	3.74	2.91	4.326E-05	.018	.017	7.404E-08	11.41	.82	.50	.018
70	+5.0	-3.46	15.24	7.62	-3.46	5.04	2.94	2.586E-05	.011	.011	2.853E-08	11.41	.82	.50	.011
71	45.0	-3.40	15.24	7.62	-3.40	5.81	2.98	1.567E-05	.006	.006	9.722E-09	11.40	.82	.50	.007
72															
73	45.0	0.00	15.24	7.62	0.00	1.15	5.39	2.076E-04	.089	.082	1.794E-06	11.00	.80	.50	.122
74	45.0	0.00	15.24	7.62	0.00	2.37	5.39	5.559E-05	.024	.022	1.286E-07	11.00	.80	.50	.033
75	45.0	0.00	15.24	7.62	0.00	3.70	5.39	2.056E-05	.009	.008	1.776E-08	11.00	.80	.50	.012
76	45.0	0.00	15.24	7.62	0.00	4.99	5.39	2.032E-05	.009	.008	1.719E-08	11.00	.80	.50	.012
77	45.0	0.00	15.24	7.62	0.00	6.74	5.39	2.083E-05	.009	.008	1.806E-08	11.00	.80	.50	.012
78	45.0	3.59	15.24	7.62	3.59	.38	7.93	5.350E-04	.251	.211	1.310E-05	10.32	.75	.50	.396
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	2.204E-04	.104	.087	2.227E-06	10.31	.75	.50	.163
80	45.0	3.60	15.24	7.62	3.60	2.42	7.93	4.653E-05	.022	.018	9.954E-08	10.31	.75	.50	.034
81	+5.0	3.55	15.24	7.62	3.55	3.76	7.90	3.154E-05	.015	.012	4.545E-08	10.33	.75	.50	.023
82	+5.0	3.58	15.24	7.62	3.58	5.09	7.92	1.945E-05	.009	.008	1.731E-08	10.32	.75	.50	.014
83	+5.0	3.62	15.24	7.62	3.62	5.79	7.95	9.736E-06	.005	.004	4.343E-09	10.31	.75	.50	.007
84	45.0	7.21	15.24	7.62	7.83	.31	10.57	2.573E-04	.141	.102	3.531E-06	9.31	.69	.50	.486
85	45.0	7.21	15.24	7.62	7.36	1.09	10.59	7.455E-05	.041	.030	3.000E-07	9.30	.69	.50	.142
86	+5.0	7.36	15.24	7.62	7.36	2.36	10.59	2.583E-05	.014	.010	3.563E-08	9.30	.69	.50	.049
87	45.0	7.21	15.24	7.62	7.83	3.74	10.57	1.543E-05	.009	.007	1.511E-08	9.31	.69	.50	.032
88	45.0	7.37	15.24	7.62	7.36	5.03	10.57	1.351E-05	.007	.005	9.739E-09	9.31	.69	.50	.026
89	+5.0	7.36	15.24	7.62	7.36	5.66	10.59	1.128E-06	.001	.000	6.786E-11	9.30	.69	.50	.002

CHT TEST (92), MDAC-E RST GAPS, RUN (130) 1973 PAGE 293

MACH = 14.290 TT = 9.987E+02(K)
RX REQ = 3.337E-01 PI = 5.167E+06(N/M2)
RL REQ = 8.341E-02 T1 = 4.702E+01(K)
RE/METER = 3.286E+06 P1 = 0.982E+02(N/M2)
HO = 2.554E+00(W/M2- K) (RHO V)1 = 1.330E+01(KG/M2-S)
TW = 300.3 (K) GAP = .711 (CM)
STEP = 0.000(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	9.457E-06	.005	.004	4.291E-09	10.24	.74	.50	.003
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	2.099E-05	.010	.008	2.114E-08	10.24	.74	.50	.007
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	2.174E-05	.011	.009	2.267E-08	10.24	.74	.50	.009
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	3.529E-05	.017	.014	5.976E-08	10.24	.74	.50	.012
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	2.623E-04	.129	.104	3.300E-06	10.24	.74	.50	.092
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	1.847E-03	.908	.730	1.636E-04	10.24	.74	.50	.646
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	2.904E-03	1.406	1.147	3.981E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	2.989E-03	1.233	1.181	3.594E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	2.974E-03	1.175	1.175	3.407E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	2.920E-03	1.195	1.154	3.402E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	2.952E-03	1.346	1.170	3.889E-04	10.52	.77	.53	
20	0.0	0.00	7.62	0.00	7.62	.41	7.62	1.184E-06	.000	.000	5.280E-11	10.41	.76	.53	.000
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	2.772E-04	.128	.110	3.453E-06	10.41	.76	.53	.095
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	4.476E-05	.021	.018	8.396E-08	10.41	.76	.53	.015
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	3.524E-05	.017	.014	5.895E-08	10.41	.76	.53	.012
24	0.0	0.00	7.62	1.00	7.62	5.07	7.62	2.091E-05	.010	.008	1.962E-08	10.41	.76	.50	.007
25	0.0	0.00	7.62	0.00	7.62	5.73	7.62	3.789E-05	.017	.015	6.444E-08	10.41	.76	.50	.013
26	0.0	-3.75	3.96	-3.76	-7.62	5.70	-7.62	1.483E-05	.007	.006	1.056E-08	10.24	.74	.50	.005
27	0.0	-3.91	3.82	-3.90	-7.62	5.04	-7.62	9.729E-06	.005	.004	4.541E-09	10.24	.74	.50	.003
28	0.0	-3.76	3.86	-3.76	-7.62	3.72	-7.62	1.878E-05	.009	.007	1.691E-08	10.24	.74	.50	.007
29	0.0	-3.81	3.81	-3.81	-7.62	2.44	-7.62	4.057E-05	.020	.016	7.935E-08	10.24	.74	.50	.014
30	0.0	-3.93	3.79	-3.93	-7.62	1.16	-7.62	2.359E-04	.116	.093	2.669E-06	10.24	.74	.50	.093
31	0.0	-3.87	3.75	-3.87	-7.62	.33	-7.62	1.825E-03	.898	.721	1.598E-04	10.24	.74	.50	.645
32	0.0	-3.79	3.83	-3.79	-7.24	0.00	-7.24	2.885E-03	1.393	1.140	3.919E-04	10.36	.75	.50	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	3.077E-03	1.271	1.216	3.815E-04	11.22	.81	.53	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	3.090E-03	1.217	1.217	3.654E-04	11.56	.83	.53	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	2.999E-03	1.228	1.185	3.591E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.28	0.00	7.28	2.825E-03	1.284	1.116	3.539E-04	10.52	.77	.53	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.551E-03	.714	.613	1.079E-04	10.41	.76	.53	.556
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	2.363E-04	.106	.091	2.382E-06	10.41	.76	.53	.093
39	0.0	-3.81	3.82	-3.81	7.62	2.35	7.62	5.179E-05	.024	.020	1.204E-07	10.41	.76	.53	.019
40	0.0	-3.80	3.82	-3.80	7.62	3.62	7.62	1.889E-05	.009	.007	1.602E-08	10.41	.76	.50	.007
41	0.0	-3.67	3.95	-3.67	7.62	5.04	7.62	1.919E-05	.009	.008	1.653E-08	10.41	.76	.50	.007
42	0.0	-3.62	4.00	-3.62	7.62	5.68	7.62	2.202E-05	.010	.009	2.177E-08	10.41	.76	.50	.008
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	9.415E-06	.005	.004	4.253E-09	10.24	.74	.53	.003
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	5.240E-06	.003	.002	1.317E-09	10.24	.74	.53	.002
45	0.0	-7.32	.30	-7.32	-7.62	3.72	-7.62	2.240E-05	.011	.009	2.407E-08	10.24	.74	.53	.008
46	0.0	-7.36	.26	-7.36	-7.62	2.37	-7.62	4.451E-05	.022	.018	9.503E-08	10.24	.74	.53	.015

PAGE 234

47	0.0	-7.35	-7.35	-7.62	1.15	-7.62	2.362E-04	.113	.091	2.543E-06	10.24	.74	.50	.079					
48	0.0	-7.35	-7.35	-7.62	.33	-7.62	1.786E-03	.879	.736	1.531E-04	10.24	.74	.50	.615					
49	0.0	-7.27	-7.27	-7.30	0.00	-7.30	2.944E-03	1.426	1.163	4.093E-04	10.34	.75	.50						
50	0.0	-7.33	-7.33	-3.69	0.00	-3.69	3.188E-03	1.317	1.260	4.094E-04	11.23	.81	.50						
51	0.0	-7.41	-7.41	.00	0.00	0.00	3.059E-03	1.209	1.209	3.607E-04	11.56	.83	.50						
52	0.0	-7.24	-7.24	3.58	0.00	3.58	3.327E-03	1.240	1.196	3.659E-04	11.33	.82	.50						
53	0.0	-7.16	-7.16	7.24	0.00	7.24	2.853E-03	1.296	1.127	3.605E-04	10.53	.77	.50						
54	0.0	-7.24	-7.24	7.62	.31	7.62	1.854E-03	.858	.737	1.563E-04	10.41	.76	.50	.662					
55	0.0	-7.34	-7.34	7.62	1.11	7.62	3.066E-04	.138	.119	4.056E-05	10.41	.76	.50	.137					
56	0.0	-7.25	-7.25	7.62	2.32	7.62	3.877E-05	.014	.015	6.744E-06	10.41	.76	.50	.014					
57	0.0	-7.25	-7.26	7.62	3.74	7.62	3.328E-05	.014	.012	4.115E-06	10.41	.76	.50	.011					
58	0.0	-7.24	-7.24	7.62	4.97	7.62	2.055E-05	.009	.008	1.896E-09	10.41	.76	.50	.007					
59	0.0	-7.25	-7.25	7.62	5.62	7.62	9.561E-06	.004	.004	4.052E-09	10.41	.76	.50	.003					
60	0.0	-7.35	-7.44	-7.14	.27	-7.14	1.967E-03	.945	.777	1.813E-04	10.39	.75	.50	.663					
61	0.0	-9.75	-7.62	-7.35	1.17	-7.35	2.529E-04	.123	.100	3.027E-06	10.33	.75	.50	.086					
62	0.0	-9.92	-7.62	-7.13	2.34	-7.13	3.458E-05	.017	.014	5.601E-08	10.40	.75	.50	.012					
63	0.0	-11.29	-7.62	-7.19	3.71	-7.19	2.268E-05	.011	.009	2.274E-08	10.38	.75	.50	.007					
64	0.0	-12.61	0.00	-7.62	-7.14	5.02	-7.14	8.928E-06	.004	.004	3.734E-09	10.39	.75	.50	.003				
65	0.0	-13.22	0.00	-7.62	-7.14	5.63	-7.14	1.553E-05	.007	.006	1.131E-08	10.39	.75	.50	.005				
66	0.0	-7.93	0.00	-7.62	-3.44	.36	-3.44	1.344E-03	.799	.768	1.515E-04	11.27	.81	.50	.607				
67	0.0	-9.91	0.00	-7.62	-3.44	1.19	-3.44	2.246E-04	.092	.089	2.021E-06	11.27	.81	.50	.070				
68	0.0	-10.36	0.00	-7.62	-3.45	2.44	-3.45	3.597E-05	.015	.014	5.166E-08	11.26	.81	.50	.011				
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	2.524E-05	.010	.010	2.557E-08	11.26	.81	.50	.008				
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	1.492E-05	.006	.006	8.927E-09	11.26	.81	.50	.005				
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	1.020E-05	.007	.007	1.326E-08	11.27	.81	.50	.006				
72	0.0	-8.85	0.00	-7.62	0.00	1.15	0.00	2.140E-04	.095	.095	1.777E-06	11.56	.83	.50	.070				
73	0.0	-10.37	0.00	-7.62	0.00	2.37	0.00	5.124E-05	.020	.020	1.612E-07	11.56	.83	.50	.017				
74	0.0	-11.40	0.00	-7.62	0.00	3.76	0.00	2.295E-05	.009	.009	2.012E-08	11.56	.83	.50	.007				
75	0.0	-12.60	0.00	-7.62	0.00	4.99	0.00	4.950E-05	.020	.020	9.443E-08	11.56	.83	.50	.016				
76	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	2.273E-05	.009	.009	1.991E-09	11.56	.83	.50	.007				
77	0.0	-14.04	0.00	-7.62	3.59	.34	3.59	1.710E-03	.730	.673	1.169E-04	11.32	.82	.50	.565				
78	0.0	-8.82	0.00	-7.62	3.63	1.17	3.63	2.377E-04	.097	.094	2.258E-06	11.32	.82	.50	.079				
79	0.0	-10.57	0.00	-7.62	3.60	2.42	3.60	5.351E-05	.024	.024	1.420E-07	11.32	.82	.50	.020				
80	0.0	-11.41	0.00	-7.62	3.55	3.76	3.55	3.774E-05	.015	.015	5.687E-08	11.33	.82	.50	.012				
81	0.0	-12.73	0.00	-7.62	3.58	5.08	3.58	1.336E-05	.006	.006	7.808E-09	11.33	.82	.50	.005				
82	0.0	-13.44	0.00	-7.62	3.62	5.79	3.62	1.421E-05	.006	.006	8.071E-09	11.32	.82	.50	.005				
83	0.0	-7.41	0.00	-7.62	7.33	.31	7.33	2.168E-03	.907	.865	2.128E-04	10.50	.76	.50	.763				
84	0.0	-9.59	0.00	-7.62	7.36	1.09	7.36	2.937E-04	.137	.118	3.993E-06	10.49	.76	.50	.105				
85	0.0	-9.96	0.00	-7.62	7.36	2.36	7.36	3.769E-05	.017	.015	6.384E-08	10.49	.76	.50	.013				
86	0.0	-11.73	0.00	-7.62	7.33	3.74	7.33	2.121E-05	.010	.008	1.393E-08	10.50	.76	.50	.007				
87	0.0	-12.53	0.00	-7.62	7.33	5.03	7.33	2.550E-05	.012	.010	2.911E-08	10.50	.76	.50	.009				
88	0.0	-13.16	0.00	-7.62	7.35	5.65	7.35	1.726E-05	.008	.007	1.324E-08	10.50	.76	.50	.006				

3.4-260

MACH = 10.290
RE E06 = 3.349E-01
RL E06 = 3.371E-02
RE/METER = 3.239E+06
HO = 2.664E+08(W/M2- K)
TW = 300.1 (K)
STEP = 0.001(CM)

TAW/TT =0.895 FOR HT/HO

TT = 9.971E+02(K)
PI = 5.170 E+06(N/M2)
T1 = 4.694E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.032E+01(KG/M2-S)
GAP = .711 (CM)
CONF =IN-L

XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HF (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	3.403E-05	.017	.013	5.530E-08	10.26	.75	.50	.011
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	3.939E-05	.019	.016	7.409E-08	10.26	.75	.50	.013
11	7.5	0.00	7.62	0.00	-7.62	3.74	-7.55	2.596E-05	.013	.011	3.471E-08	10.26	.75	.50	.009
12	7.5	0.00	7.62	0.00	-7.62	2.36	-7.55	3.199E-05	.016	.013	4.857E-08	10.26	.75	.50	.010
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	2.550E-04	.130	.105	3.352E-06	10.26	.75	.50	.084
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	2.874E-03	1.017	.819	2.053E-04	10.26	.75	.50	.659
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	3.198E-03	1.543	1.264	4.806E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	3.044E-03	1.255	1.203	3.719E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	2.964E-03	1.171	1.171	3.380E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	2.895E-03	1.184	1.144	3.339E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.535E-03	1.150	1.002	2.837E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	7.488E-06	.003	.003	2.454E-09	10.43	.76	.50	.003
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	2.352E-04	.108	.093	2.474E-06	10.43	.76	.50	.094
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	5.768E-05	.026	.023	1.488E-07	10.43	.75	.50	.023
23	7.5	0.00	7.62	0.00	7.62	3.70	7.55	4.441E-05	.020	.017	8.663E-08	10.43	.76	.50	.018
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	2.995E-05	.013	.011	3.749E-08	10.43	.76	.50	.012
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	3.324E-05	.015	.013	4.942E-08	10.43	.76	.50	.013
26	7.5	-3.76	3.86	-3.76	-7.62	5.70	-8.05	1.587E-05	.009	.007	1.398E-08	10.09	.74	.50	.006
27	7.5	-3.80	3.82	-3.80	-7.62	5.04	-8.05	1.865E-05	.009	.007	1.703E-08	10.09	.73	.50	.007
28	7.5	-3.76	3.86	-3.76	-7.62	3.72	-8.05	4.429E-05	.022	.018	9.637E-08	10.09	.74	.50	.015
29	7.5	-3.81	3.81	-3.81	-7.62	2.44	-8.05	5.257E-05	.027	.021	1.358E-07	10.09	.73	.50	.018
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	2.337E-04	.118	.092	2.685E-06	10.09	.73	.50	.082
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	1.662E-03	.940	.736	1.704E-04	10.09	.73	.50	.652
32	7.5	-3.79	3.83	-3.79	-7.24	0.00	-7.67	2.922E-03	1.442	1.154	4.102E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-7.71	0.00	-4.19	3.023E-03	1.271	1.194	3.742E-04	11.14	.80	.53	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	3.042E-03	1.207	1.202	3.576E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.45	3.058E-03	1.242	1.208	3.699E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	2.511E-03	1.164	1.032	2.958E-04	10.68	.78	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	1.291E-03	.578	.506	7.210E-05	10.54	.77	.50	.497
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	2.101E-04	.095	.083	1.943E-06	10.58	.77	.53	.081
39	7.5	-3.80	3.82	-3.80	7.62	2.35	7.06	6.262E-05	.028	.025	1.690E-07	10.58	.77	.53	.024
40	7.5	-3.80	3.82	-3.80	7.62	3.62	7.06	5.257E-05	.024	.021	1.214E-07	10.58	.77	.50	.020
41	7.5	-3.67	3.95	-3.67	7.62	5.04	7.08	3.223E-05	.015	.013	4.565E-08	10.58	.77	.50	.013
42	7.5	-3.62	4.00	-3.62	7.62	5.68	7.08	1.912E-05	.009	.008	1.607E-08	10.58	.77	.50	.007
43	7.5	-7.35	.27	-7.35	-7.62	5.70	-8.51	1.038E-05	.005	.004	5.442E-09	9.92	.72	.50	.004
44	7.5	-7.33	.29	-7.33	-7.62	4.91	-8.51	3.200E-05	.017	.013	5.168E-08	9.92	.72	.50	.011
45	7.5	-7.32	.30	-7.32	-7.62	3.72	-8.51	2.516E-05	.013	.010	3.193E-08	9.92	.72	.50	.009
46	7.5	-7.36	.26	-7.36	-7.62	2.37	-8.51	1.748E-05	.009	.007	1.542E-08	9.92	.72	.50	.006

CF4T TEST (92), 4DAC-E RSI GAPS, RUN (131) 1973 PAGE 296

CH	GAMMA (DEG)	XSURF (CM)	YR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	-7.35	.27	-7.35	-7.62	1.16	-8.51	2.179E-04	.113	.086	2.395E-06	9.92	.72	.50	.078
48	7.5	-7.26	.36	-7.26	-7.62	.33	-8.50	1.743E-03	.903	.689	1.532E-04	9.93	.72	.50	.622
49	7.5	-7.27	.35	-7.27	-7.30	0.00	-8.19	2.855E-03	1.452	1.128	4.037E-04	10.04	.73	.50	
50	7.5	-7.33	.29	-7.33	-3.69	0.00	-4.61	3.032E-03	1.297	1.198	3.829E-04	11.05	.80	.50	
51	7.5	-7.41	.22	-7.41	0.00	0.00	-.97	3.012E-03	1.199	1.198	3.518E-04	11.53	.83	.50	
52	7.5	-7.58	.04	-7.58	3.58	0.00	2.56	3.180E-03	1.282	1.257	3.970E-04	11.45	.82	.50	
53	7.5	-7.16	.46	-7.16	7.24	0.00	6.25	2.844E-03	1.246	1.124	3.449E-04	10.90	.78	.50	
54	7.5	-7.26	.36	-7.26	7.62	.31	6.61	1.749E-03	.776	.691	1.322E-04	10.71	.78	.50	.623
55	7.5	-7.30	.32	-7.30	7.62	1.11	6.60	2.874E-04	.127	.114	3.566E-06	10.71	.78	.50	.102
56	7.5	-7.25	.37	-7.25	7.62	2.32	6.61	4.425E-05	.020	.017	8.457E-08	10.71	.78	.50	.016
57	7.5	-7.26	.36	-7.26	7.62	3.70	6.61	3.564E-05	.016	.014	5.487E-08	10.71	.78	.50	.013
58	7.5	-7.24	.38	-7.24	7.62	4.97	6.61	2.446E-05	.011	.010	2.585E-08	10.71	.78	.50	.009
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	2.750E-05	.012	.011	3.266E-08	10.71	.78	.50	.010
60	7.5	-7.95	0.00	-7.62	-7.14	.27	-8.08	1.903E-03	.962	.752	1.782E-04	10.08	.73	.50	.662
61	7.5	-8.75	0.00	-7.62	-7.35	1.17	-8.28	2.298E-04	.117	.091	2.628E-06	10.01	.73	.50	.081
62	7.5	-9.92	0.00	-7.62	-7.13	2.34	-8.06	4.134E-05	.021	.016	8.401E-08	10.09	.73	.50	.014
63	7.5	-11.29	0.00	-7.62	-7.19	3.71	-8.12	4.814E-05	.024	.019	1.143E-07	10.06	.73	.50	.017
64	7.5	-12.60	0.00	-7.62	-7.14	5.02	-8.07	3.626E-05	.018	.014	6.467E-08	10.08	.73	.50	.013
65	7.5	-13.22	0.00	-7.62	-7.14	5.63	-8.07	1.358E-05	.007	.005	9.214E-09	10.08	.73	.50	.005
66	7.5	-7.39	0.00	-7.62	-3.44	.36	-4.41	1.851E-03	.786	.731	1.416E-04	11.09	.80	.50	.606
67	7.5	-8.81	0.00	-7.62	-3.44	1.19	-4.41	2.245E-04	.095	.089	2.082E-06	11.09	.80	.50	.073
68	7.5	-10.06	0.00	-7.62	-3.45	2.44	-4.41	4.588E-05	.019	.018	8.700E-08	11.09	.80	.50	.015
69	7.5	-11.35	0.00	-7.62	-3.50	3.74	-4.46	5.745E-05	.024	.023	1.367E-07	11.08	.80	.50	.019
70	7.5	-12.65	0.00	-7.62	-3.46	5.04	-4.43	2.942E-05	.012	.012	3.579E-08	11.09	.80	.50	.010
71	7.5	-13.42	0.00	-7.62	-3.40	5.81	-4.37	1.305E-05	.006	.006	9.343E-09	11.10	.80	.50	.005
72	7.5	-8.07	0.00	-7.62	0.00	.39	-.99	1.522E-06	.001	.001	8.984E-11	11.52	.83	.50	.001
73	7.5	-8.95	0.00	-7.62	0.00	1.15	-.99	2.072E-04	.083	.082	1.665E-06	11.52	.83	.50	.069
74	7.5	-10.07	0.00	-7.62	0.00	2.37	-.99	5.038E-05	.020	.020	9.844E-08	11.52	.83	.50	.017
75	7.5	-11.43	0.00	-7.62	0.00	3.70	-.99	5.597E-05	.022	.022	1.215E-07	11.52	.83	.50	.019
76	7.5	-12.69	0.00	-7.62	0.00	4.99	-.99	2.516E-05	.010	.010	2.455E-08	11.52	.83	.50	.008
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	2.531E-05	.010	.010	2.485E-08	11.52	.83	.50	.008
78	7.5	-8.04	0.00	-7.62	3.59	.38	2.57	1.764E-03	.711	.697	1.221E-04	11.45	.82	.50	.555
79	7.5	-8.92	0.00	-7.62	3.63	1.17	2.60	2.340E-04	.094	.092	2.150E-06	11.44	.82	.50	.074
80	7.5	-10.07	0.00	-7.62	3.60	2.42	2.58	6.135E-05	.025	.024	1.478E-07	11.45	.82	.50	.019
81	7.5	-11.41	0.00	-7.62	3.55	3.76	2.53	5.444E-05	.020	.020	9.983E-08	11.45	.82	.50	.016
82	7.5	-12.73	0.00	-7.62	3.58	5.08	2.55	2.225E-05	.009	.009	1.943E-08	11.45	.82	.50	.007
83	7.5	-13.44	0.00	-7.62	3.62	5.79	2.59	7.145E-06	.003	.003	2.005E-09	11.44	.82	.50	.002
84	7.5	-7.91	0.00	-7.62	7.33	.31	6.27	2.203E-03	.966	.870	2.071E-04	10.80	.78	.50	.775
85	7.5	-8.69	0.00	-7.62	7.36	1.09	6.30	3.298E-04	.145	.130	4.646E-06	10.79	.78	.50	.116
86	7.5	-9.95	0.00	-7.62	7.36	2.36	6.30	5.159E-05	.022	.020	1.094E-07	10.79	.78	.50	.018
87	7.5	-11.29	0.00	-7.62	7.33	3.74	6.27	5.312E-05	.023	.021	1.205E-07	10.80	.78	.50	.019
88	7.5	-12.59	0.00	-7.62	7.33	5.03	6.27	3.042E-05	.013	.012	3.950E-08	10.80	.78	.50	.011
89	7.5	-13.35	0.00	-7.62	7.35	5.85	6.29	2.272E-05	.010	.009	2.205E-08	10.79	.78	.50	.008

HEAT TEST (321), MDAC-E RSI GAPS, RUN (132) 1973 PAGE 297

MACH = 10.290 TT = 9.963E+02(K)
PX E06 = 3.355E-01 PI = 5.171E+06(N/M2)
PL E06 = 8.387E-02 T1 = 4.630E+01(K)
RE/METER = 3.302E+06 P1 = 0.983E+02(N/M2)
HO = 2.556E+03(W/M2- K) (RHO V)1 = 1.033E+01(KG/M2-S)
TW = 300.5 (K) GAP = .711 (CM)
STEP = 0.300(CM) CONF =IN-L

TAW/TT =0.995 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	9.375E-06	.005	.004	4.154E-09	10.32	.75	.50	.003
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	1.254E-05	.006	.005	7.425E-09	10.32	.75	.50	.004
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	4.233E-05	.021	.017	8.468E-08	10.32	.75	.50	.013
12	15.0	0.00	7.62	0.00	-7.62	2.36	-7.36	2.795E-05	.014	.011	3.691E-08	10.32	.75	.50	.009
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	2.518E-04	.122	.099	2.973E-06	10.32	.75	.50	.078
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	2.054E-03	1.003	.816	2.013E-04	10.32	.75	.50	.640
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	3.276E-03	1.566	1.294	4.992E-04	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	3.054E-03	1.257	1.207	3.733E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	2.972E-03	1.174	1.174	3.396E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	2.857E-03	1.167	1.129	3.245E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.306E-03	1.039	.911	2.329E-04	10.59	.77	.50	
20	15.0	0.00	7.62	0.00	7.62	.41	7.36	1.331E-06	.001	.001	7.058E-11	10.49	.76	.50	.001
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	2.118E-04	.097	.084	1.991E-06	10.49	.76	.50	.093
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	6.499E-05	.030	.026	1.874E-07	10.49	.76	.50	.029
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	5.754E-05	.026	.023	1.469E-07	10.49	.76	.50	.025
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	2.873E-05	.013	.011	3.661E-08	10.49	.76	.50	.013
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	2.893E-05	.013	.011	3.714E-08	10.49	.76	.50	.013
26	15.0	-3.75	3.86	-3.76	-7.62	5.70	-8.33	1.911E-05	.010	.008	1.822E-08	9.99	.73	.50	.007
27	15.0	-3.83	3.92	-3.90	-7.62	5.04	-8.34	3.105E-05	.016	.012	4.813E-08	9.98	.73	.50	.011
28	15.0	-3.75	3.86	-3.76	-7.62	3.72	-8.33	2.726E-05	.014	.011	3.707E-08	9.99	.73	.50	.010
29	15.0	-3.81	3.81	-3.91	-7.62	2.44	-8.35	4.145E-05	.021	.016	8.580E-08	9.98	.73	.50	.015
30	15.0	-3.83	3.79	-3.83	-7.62	1.16	-8.35	1.846E-04	.095	.073	1.782E-06	9.98	.73	.50	.066
31	15.0	-3.97	3.75	-3.87	-7.62	.33	-8.36	1.825E-03	.938	.721	1.665E-04	9.99	.73	.50	.652
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	2.861E-03	1.437	1.130	4.300E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	2.979E-03	1.274	1.177	3.692E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	3.039E-03	1.211	1.201	3.580E-04	11.52	.83	.50	
35	15.0	-3.99	3.73	-3.89	3.59	0.00	2.46	3.078E-03	1.240	1.216	3.714E-04	11.46	.82	.50	
36	15.0	-3.74	3.99	-3.74	7.28	0.00	6.06	2.553E-03	1.112	1.009	2.761E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	1.152E-03	.507	.455	5.678E-05	10.77	.78	.50	.456
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	1.936E-04	.085	.076	1.604E-06	10.76	.78	.50	.077
39	15.0	-3.80	3.82	-3.80	7.62	2.35	6.36	5.520E-05	.025	.022	1.352E-07	10.77	.78	.50	.022
40	15.0	-3.80	3.82	-3.80	7.62	3.62	6.38	5.000E-05	.022	.020	1.070E-07	10.77	.78	.50	.020
41	15.0	-3.87	3.95	-3.87	7.62	5.04	6.41	3.504E-05	.015	.014	5.260E-08	10.76	.78	.50	.014
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	3.876E-05	.017	.015	6.449E-08	10.76	.78	.50	.015
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	8.343E-06	.005	.003	3.658E-09	9.63	.71	.50	.004
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	1.006E-05	.005	.004	5.315E-09	9.63	.71	.50	.004
45	15.0	-7.32	.30	-7.32	-7.62	3.72	-9.25	1.736E-05	.009	.007	1.583E-08	9.63	.71	.50	.007
46	15.0	-7.36	.26	-7.36	-7.62	2.37	-9.26	3.366E-05	.018	.013	5.955E-05	9.63	.71	.50	.014

460

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 238

CH	GAMMA (DEG)	YSURF (CM)	Y2 (CM)	YC (CM)	Z (CM)	Y-NOP (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	-7.35	.27	-7.35	1.15	-9.26	1.717E-04	.093	.068	1.543E-06	9.63	.71	.50	.073
48	15.0	-7.25	.36	-7.26	.33	-9.24	1.451E-03	.785	.573	1.184E-04	9.64	.71	.50	.613
49	15.0	-7.27	.35	-7.27	0.00	-8.93	2.400E-03	1.277	.952	2.993E-04	9.76	.71	.50	
50	15.0	-7.33	.29	-7.33	0.00	-5.46	2.946E-03	1.367	1.164	3.745E-04	10.06	.79	.50	
51	15.0	-7.40	.22	-7.40	0.00	-1.92	2.992E-03	1.200	1.182	3.493E-04	11.46	.82	.50	
52	15.0	-7.50	.14	-7.50	0.00	1.50	3.253E-03	1.301	1.286	4.117E-04	11.53	.83	.50	
53	15.0	-7.15	.46	-7.15	7.24	3.09	3.039E-03	1.208	1.201	3.807E-04	11.06	.80	.50	
54	15.0	-7.26	.36	-7.26	7.62	.31	1.842E-03	.709	.728	1.414E-04	10.98	.79	.50	.612
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	2.923E-04	.125	.116	3.550E-06	10.99	.79	.50	.097
56	15.0	-7.25	.37	-7.25	7.62	2.32	5.40	4.452E-05	.019	.018	8.291E-08	10.98	.79	.50	.015
57	15.0	-7.26	.36	-7.25	7.62	3.70	5.40	3.174E-05	.014	.013	4.222E-08	10.98	.79	.50	.011
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	2.166E-05	.009	.008	1.947E-08	10.98	.79	.50	.007
59	15.0	-7.25	.37	-7.25	7.62	5.62	5.40	2.759E-05	.012	.011	3.194E-08	10.98	.79	.50	.009
60	15.0	-7.25	0.00	-7.62	-7.14	.27	-8.87	1.584E-03	.837	.626	1.290E-04	9.79	.72	.50	.655
61	15.0	-9.75	0.00	-7.62	-7.35	1.17	-9.07	1.357E-04	.108	.074	1.612E-06	9.71	.71	.50	.076
62	15.0	-9.92	0.00	-7.62	-7.13	2.34	-8.86	3.352E-05	.018	.013	5.774E-08	9.79	.72	.50	.014
63	15.0	-11.29	0.00	-7.62	-7.19	3.71	-8.92	3.159E-05	.017	.013	5.180E-08	9.77	.71	.50	.013
64	15.0	-12.61	0.00	-7.62	-7.14	5.02	-8.87	9.340E-06	.005	.004	4.979E-09	9.79	.72	.50	.004
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	1.864E-05	.006	.004	5.821E-09	9.79	.72	.50	.004
66	15.0	-7.98	0.00	-7.62	-3.44	.36	-5.30	1.860E-03	.792	.711	1.388E-04	10.90	.79	.50	.604
67	15.0	-8.81	0.00	-7.62	-3.44	1.19	-5.30	2.177E-04	.096	.086	2.029E-06	10.90	.79	.50	.607
68	15.0	-10.06	0.00	-7.62	-3.45	2.44	-5.30	4.392E-05	.019	.017	8.263E-08	10.90	.79	.50	.073
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	2.200E-05	.014	.009	2.078E-08	10.89	.79	.50	.015
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	3.955E-05	.017	.016	6.704E-08	10.90	.79	.50	.007
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	3.168E-05	.014	.013	4.292E-08	10.90	.79	.50	.013
72	15.0	-8.07	0.00	-7.62	0.00	.38	-1.97	1.206E-06	.000	.000	5.683E-11	11.45	.82	.50	.000
73	15.0	-6.95	0.00	-7.62	0.00	1.15	-1.97	2.123E-04	.085	.084	1.759E-06	11.45	.82	.50	.071
74	15.0	-10.07	0.00	-7.62	0.00	2.37	-1.97	4.832E-05	.019	.019	9.116E-08	11.45	.82	.50	.016
75	15.0	-11.40	0.00	-7.62	0.00	3.70	-1.97	3.487E-05	.014	.014	4.748E-08	11.45	.82	.50	.012
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	2.949E-05	.012	.012	3.395E-08	11.45	.82	.50	.010
77	15.0	-13.43	0.00	-7.62	0.00	5.74	-1.97	2.412E-05	.010	.010	2.272E-08	11.45	.82	.50	.008
78	15.0	-8.04	0.00	-7.62	3.59	.38	1.50	1.797E-03	.718	.710	1.256E-04	11.53	.83	.50	.552
79	15.0	-3.32	0.00	-7.62	3.63	1.17	1.53	2.314E-04	.093	.091	2.004E-06	11.52	.83	.50	.071
80	15.0	-10.17	0.00	-7.62	3.60	2.42	1.51	6.039E-05	.024	.024	1.419E-07	11.53	.83	.50	.019
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	2.879E-05	.012	.011	3.223E-08	11.53	.83	.50	.009
82	15.0	-12.73	0.00	-7.62	3.58	5.08	1.49	3.390E-05	.014	.013	4.469E-08	11.53	.83	.50	.010
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	1.179E-05	.005	.005	5.410E-09	11.53	.83	.50	.004
84	15.0	-7.40	0.00	-7.62	7.33	.31	5.11	2.381E-03	.999	.933	2.294E-04	11.06	.80	.50	.776
85	15.0	-8.54	0.00	-7.62	7.36	1.09	5.14	3.313E-04	.140	.131	4.524E-06	11.06	.80	.50	.109
86	15.0	-9.36	0.00	-7.62	7.36	2.36	5.14	4.520E-05	.019	.018	8.450E-08	11.06	.80	.50	.015
87	15.0	-11.23	0.00	-7.62	7.33	3.74	5.11	4.988E-05	.021	.020	1.024E-07	11.06	.80	.50	.016
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	2.783E-05	.012	.011	3.190E-08	11.06	.80	.50	.009
89	15.0	-13.15	0.00	-7.62	7.35	5.66	5.13	7.524E-06	.003	.003	2.332E-09	11.06	.80	.50	.002

MACH = 10.290 TT = 9.956E+02(K)
RX FOR = 3.351E-01 PT = 5.167E+06(N/M2)
RL FOR = 8.379E-02 T1 = 9.691E+01(K)
RE/METER = 3.299E+06 P1 = 0.982E+02(N/M2)
HO = 2.554E+08(M/M2- K) (RHO V)1 = 1.032E+01(KG/M2-S)
TW = 300.4 (K) GAP = .711 (CM)
STEP = 3.700(CM) CONF =IN-L

TAW/TT =1.095 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	1.211E-05	.006	.005	6.679E-09	10.56	.77	.50	.004
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	1.847E-05	.009	.007	1.553E-08	10.56	.77	.50	.006
11	30.0	0.00	7.62	0.39	-7.62	3.74	-6.68	3.365E-05	.016	.013	5.154E-08	10.56	.77	.50	.011
12	30.0	0.00	7.62	0.00	-7.62	2.36	-6.60	3.455E-05	.016	.014	5.435E-08	10.56	.77	.50	.011
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	2.596E-04	.120	.101	2.998E-06	10.56	.77	.50	.080
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	1.982E-03	.927	.783	1.788E-04	10.56	.77	.50	.620
15	30.0	0.00	7.62	0.00	-7.29	0.00	-6.32	3.244E-03	1.495	1.282	4.722E-04	10.64	.77	.50	
16	30.0	0.00	7.62	0.00	-3.63	0.00	-3.15	3.837E-03	1.240	1.200	3.668E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	2.351E-03	1.166	1.166	3.351E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.54	0.00	3.07	2.370E-03	1.166	1.134	3.259E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.061E-03	.904	.814	1.814E-04	10.79	.78	.50	
20	30.0	0.00	7.62	0.00	7.62	.41	6.60	6.239E-06	.003	.002	1.681E-09	10.71	.78	.50	.003
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.586E-04	.075	.067	1.228E-06	10.71	.78	.50	.083
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	3.780E-05	.017	.015	6.170E-08	10.71	.78	.50	.019
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	6.100E-05	.027	.024	1.607E-07	10.71	.78	.50	.030
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	3.272E-05	.015	.013	4.623E-08	10.71	.78	.50	.016
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	3.095E-05	.014	.012	4.136E-08	10.71	.78	.50	.015
26	30.0	-3.76	3.86	-3.76	-7.62	5.78	-8.48	1.187E-05	.006	.004	5.947E-09	9.93	.72	.50	.004
27	30.0	-3.80	3.82	-3.80	-7.62	5.04	-8.50	1.611E-05	.008	.006	1.309E-08	9.93	.72	.50	.006
28	30.0	-3.76	3.86	-3.76	-7.62	3.72	-8.48	2.550E-05	.013	.010	3.275E-08	9.93	.72	.50	.009
29	30.0	-3.81	3.81	-3.81	-7.62	2.44	-8.51	1.571E-05	.009	.007	1.407E-0	9.93	.72	.50	.006
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	1.581E-04	.087	.066	1.427E-06	9.92	.72	.50	.059
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	1.012E-03	.940	.716	1.658E-04	9.91	.72	.50	.636
32	30.0	-3.79	3.83	-3.79	-7.24	0.00	-8.17	2.988E-03	1.477	1.149	4.182E-04	10.05	.73	.50	
33	30.0	-3.92	3.71	-3.92	-3.71	0.00	-5.17	2.778E-03	1.216	1.098	3.290E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	3.376E-03	1.234	1.215	3.696E-04	11.45	.82	.50	
35	30.0	-3.89	3.73	-3.89	3.59	0.00	1.17	3.208E-03	1.276	1.264	3.975E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	2.513E-03	1.047	.993	2.562E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	1.106E-03	.464	.437	4.997E-05	11.14	.80	.50	.443
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	2.409E-04	.101	.095	2.371E-06	11.14	.80	.50	.097
39	30.0	-3.80	3.82	-3.80	7.62	2.35	4.70	6.240E-05	.026	.025	1.590E-07	11.14	.80	.50	.025
40	30.0	-3.84	3.82	-3.80	7.62	3.62	4.73	4.491E-05	.019	.018	8.233E-08	11.14	.80	.50	.018
41	30.0	-3.87	3.95	-3.87	7.62	5.04	4.77	2.029E-05	.009	.008	1.683E-08	11.13	.80	.50	.008
42	30.0	-3.62	4.31	-3.62	7.62	5.68	4.79	2.052E-05	.009	.008	1.723E-08	11.13	.80	.50	.008
43	30.0	-7.35	.27	-7.35	-7.62	5.70	-10.27	9.154E-06	.005	.004	4.649E-09	9.20	.68	.50	.005
44	30.0	-7.33	.29	-7.33	-7.62	4.91	-10.26	1.728E-05	.010	.007	1.656E-08	9.21	.68	.50	.009
45	30.0	-7.32	.30	-7.32	-7.62	3.72	-10.26	2.581E-05	.015	.011	3.983E-08	9.21	.68	.50	.014
46	30.0	-7.36	.26	-7.36	-7.62	2.37	-10.28	3.323E-05	.019	.013	6.128E-08	9.20	.68	.50	.017

CEWT TEST (92), MOAC-E RSI GAPS, RUN (133) 1973 PAGE 300

PT	GAMMA (DEG)	YSURF (CM)	YR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	-7.35	.27	-7.35	-7.62	1.16	-10.27	1.133E-04	.065	.045	7.118E-07	9.20	.68	.50	.060
48	30.0	-7.26	.36	-7.26	-7.62	.33	-10.23	1.124E-03	.639	.444	6.994E-05	9.22	.68	.50	.598
49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	1.934E-03	1.084	.764	2.041E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	2.769E-03	1.312	1.094	3.536E-04	10.48	.76	.50	
51	30.0	-7.40	.22	-7.40	0.00	0.00	-3.70	3.047E-03	1.259	1.204	3.735E-04	11.22	.81	.50	
52	30.0	-7.58	.04	-7.58	3.58	0.00	-.69	3.494E-03	1.386	1.381	4.723E-04	11.54	.83	.50	
53	30.0	-7.16	.46	-7.16	7.24	0.00	2.69	3.008E-03	1.215	1.188	3.558E-04	11.43	.82	.50	
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	1.762E-03	.715	.696	1.226E-04	11.40	.82	.50	.588
55	30.0	-7.30	.32	-7.30	7.62	1.11	2.95	3.005E-04	.122	.119	3.567E-06	11.41	.82	.50	.100
56	30.0	-7.25	.37	-7.25	7.62	2.32	2.97	6.242E-05	.025	.025	1.539E-07	11.48	.82	.50	.021
57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	4.585E-05	.019	.018	8.376E-08	11.48	.82	.50	.015
58	30.0	-7.24	.38	-7.24	7.62	4.97	2.98	2.456E-05	.010	.010	2.383E-08	11.40	.82	.50	.008
59	30.0	-7.25	.37	-7.25	7.62	5.62	2.97	2.075E-05	.008	.008	1.708E-08	11.40	.82	.50	.007
60	30.0	-7.95	0.00	-7.62	-7.14	.27	-10.00	1.183E-03	.665	.468	7.658E-05	9.32	.69	.50	.613
61	30.0	-8.75	0.00	-7.62	-7.35	1.17	-10.17	1.291E-04	.073	.051	9.205E-07	9.25	.68	.50	.068
62	30.0	-9.32	0.00	-7.62	-7.13	2.34	-9.98	2.995E-05	.017	.012	4.903E-08	9.33	.69	.50	.016
63	30.0	-11.29	0.00	-7.62	-7.19	3.71	-10.04	2.500E-05	.014	.010	3.425E-08	9.31	.68	.50	.013
64	30.0	-12.50	0.00	-7.62	-7.14	5.02	-9.99	7.357E-06	.004	.003	2.959E-09	9.33	.69	.50	.004
65	30.0	-13.22	0.00	-7.62	-7.14	5.63	-9.99	5.542E-06	.003	.002	1.680E-09	9.32	.69	.50	.003
66	30.0	-7.99	0.00	-7.62	-3.44	.36	-6.79	1.553E-03	.780	.553	1.256E-04	10.50	.76	.50	.595
67	30.0	-8.81	0.00	-7.62	-3.44	1.19	-6.79	1.752E-04	.083	.069	1.410E-06	10.50	.76	.50	.063
68	30.0	-10.96	0.00	-7.62	-3.45	2.44	-6.80	6.376E-05	.030	.025	1.869E-07	10.50	.76	.50	.023
69	30.0	-11.35	0.00	-7.62	-3.50	3.74	-6.84	2.912E-05	.014	.012	3.908E-08	10.49	.76	.50	.011
70	30.0	-12.65	0.00	-7.62	-3.46	5.04	-6.81	2.851E-05	.013	.011	3.739E-08	10.50	.76	.50	.010
71	30.0	-13.42	0.00	-7.62	-3.40	5.81	-6.76	1.406E-05	.007	.006	9.072E-09	10.51	.76	.50	.005
72															
73	30.0	-8.85	0.00	-7.62	0.00	1.15	-3.81	2.104E-04	.097	.083	1.784E-06	11.21	.81	.50	.069
74	30.0	-10.47	0.00	-7.62	0.00	2.37	-3.81	3.985E-05	.017	.016	6.404E-08	11.21	.81	.50	.013
75	30.0	-11.43	0.00	-7.62	0.00	3.70	-3.81	2.435E-05	.010	.010	2.391E-08	11.21	.81	.50	.008
76	30.0	-12.69	0.00	-7.62	0.00	4.99	-3.81	2.214E-05	.009	.009	1.977E-08	11.21	.81	.50	.007
77	30.0	-13.43	0.00	-7.62	0.00	5.74	-3.81	1.208E-05	.005	.005	6.689E-09	11.21	.81	.50	.004
78	30.0	-8.34	0.00	-7.62	3.59	.38	-.70	1.958E-03	.774	.774	1.483E-04	11.54	.83	.50	.560
79	30.0	-8.92	0.00	-7.62	3.63	1.17	-.67	2.469E-04	.098	.098	2.357E-06	11.54	.83	.50	.071
80	30.0	-10.37	0.00	-7.62	3.60	2.42	-.69	5.732E-05	.023	.023	1.271E-07	11.54	.83	.50	.016
81	30.0	-11.41	0.00	-7.62	3.55	3.76	-.73	3.204E-05	.013	.013	3.973E-08	11.54	.83	.50	.009
82	30.0	-12.77	0.00	-7.62	3.58	5.09	-.71	1.130E-05	.004	.004	4.940E-09	11.54	.83	.50	.003
83	30.0	-13.44	0.00	-7.62	3.62	5.79	-.68	8.178E-06	.003	.003	2.587E-09	11.54	.83	.50	.002
84	30.0	-7.90	0.00	-7.62	7.33	.31	2.54	2.281E-03	.919	.901	2.142E-04	11.45	.82	.50	.757
85	30.0	-8.98	0.00	-7.62	7.36	1.49	2.56	2.855E-04	.115	.113	3.200E-06	11.45	.82	.50	.095
86	30.0	-9.85	0.00	-7.62	7.36	2.36	2.56	4.777E-05	.019	.019	8.360E-09	11.45	.82	.50	.016
87	30.0	-11.25	0.00	-7.62	7.33	3.74	2.54	4.793E-05	.019	.019	9.017E-08	11.45	.82	.50	.016
88	30.0	-11.52	0.00	-7.62	7.33	5.03	2.54	2.974E-05	.012	.011	3.242E-08	11.45	.82	.50	.010
89	30.0	-13.19	0.00	-7.62	7.35	5.66	2.56	1.720E-05	.007	.007	1.161E-08	11.45	.82	.50	.006

MACH = 13.290 TT = 9.955E+02(K)
RX E06 = 3.358E-01 PI = 5.168E+06(N/M2)
RL E06 = 8.336E-02 TI = 4.686E+01(K)
RE/METER = 3.365E+06 PI = 0.982E+02(N/M2)
HO = 2.654E+00(M/M2- K) (RHO V)1 = 1.J33E+01(KG/M2-S)
TW = 300.0 (K) GAP = .711 (CM)
STEP = 1.000(CM) CONF = TN-L

TAW/TT =J.695 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (J.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.70	7.62	2.210E-05	.010	.009	2.188E-08	10.41	.76	.50	.009
13	0.0	0.00	7.62	0.00	7.62	5.03	7.62	2.805E-05	.013	.011	3.523E-08	10.41	.76	.50	.010
11	0.0	0.00	7.62	0.00	7.62	3.74	7.62	3.033E-05	.014	.012	4.121E-08	10.41	.76	.50	.011
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	5.885E-05	.027	.023	1.551E-07	10.41	.76	.50	.021
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	2.786E-04	.128	.110	3.475E-06	10.41	.76	.50	.997
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.806E-03	.831	.714	1.461E-04	10.41	.76	.50	.630
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	2.898E-03	1.319	1.145	3.718E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	2.975E-03	1.219	1.175	3.528E-04	11.32	.82	.53	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.010E-03	1.189	1.189	3.484E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	3.008E-03	1.235	1.185	3.605E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	2.920E-03	1.412	1.154	4.010E-04	10.35	.75	.50	
20															
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	2.507E-04	.123	.099	3.007E-06	10.24	.74	.50	.087
22	0.0	0.00	7.62	0.00	-7.62	2.39	-7.62	3.313E-05	.016	.013	5.254E-08	10.24	.74	.50	.012
23	0.0	0.00	7.62	0.00	-7.62	3.70	-7.62	2.348E-05	.012	.009	2.638E-08	10.24	.74	.50	.008
24	0.0	0.00	7.62	0.00	-7.62	5.07	-7.62	2.029E-05	.010	.008	1.971E-08	10.24	.74	.50	.007
25	0.0	0.00	7.62	0.00	-7.62	5.73	-7.62	2.794E-05	.014	.011	3.736E-08	10.24	.74	.50	.010
26	0.0	3.75	11.39	3.76	7.62	5.70	7.62	1.919E-05	.009	.008	1.632E-08	10.41	.76	.50	.006
27	0.0	3.81	11.42	3.80	7.62	5.04	7.62	1.844E-05	.009	.007	1.524E-08	10.41	.76	.50	.006
28	0.0	3.75	11.39	3.76	7.62	3.72	7.62	2.864E-05	.013	.011	3.673E-08	10.41	.76	.50	.009
29	0.0	3.81	11.43	3.81	7.62	2.44	7.62	5.025E-05	.023	.020	1.131E-07	10.41	.76	.50	.016
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	4.219E-04	.194	.167	7.970E-06	10.41	.76	.50	.131
31	0.0	3.87	11.49	3.87	7.62	.33	7.62	2.276E-03	1.048	.899	2.321E-04	10.41	.76	.50	.705
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	3.274E-03	1.487	1.294	4.735E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.669E-03	1.095	1.055	2.944E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.567E-03	1.062	1.062	2.775E-04	11.56	.83	.50	
35	0.0	3.89	11.51	3.89	-3.59	0.00	-3.59	2.810E-03	1.158	1.110	3.167E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	3.112E-03	1.596	1.230	4.559E-04	10.35	.75	.50	
37	0.0	3.79	11.41	3.79	-7.62	.37	-7.62	1.952E-03	.960	.771	1.823E-04	10.24	.74	.50	.638
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	3.232E-04	.159	.128	5.801E-06	10.24	.74	.50	.106
39	0.0	3.80	11.42	3.80	-7.62	2.35	-7.62	4.478E-05	.022	.018	9.599E-08	10.24	.74	.50	.015
40	0.0	3.80	11.42	3.80	-7.62	3.62	-7.62	2.025E-05	.010	.008	1.962E-08	10.24	.74	.50	.007
41	0.0	3.67	11.29	3.67	-7.62	5.04	-7.62	2.493E-05	.012	.010	2.979E-08	10.24	.74	.50	.008
42	0.0	3.62	11.24	3.62	-7.62	5.68	-7.62	2.013E-05	.010	.008	1.939E-08	10.24	.74	.50	.007
43	0.0	7.35	14.97	7.35	7.62	5.70	7.62	1.079E-05	.005	.004	5.216E-09	10.41	.76	.50	.005
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	1.534E-05	.007	.006	1.053E-08	10.41	.76	.50	.007
45	0.0	7.32	14.94	7.32	7.62	3.72	7.62	3.750E-05	.017	.015	6.299E-08	10.41	.76	.50	.016
46	0.0	7.36	14.98	7.36	7.62	2.37	7.62	4.949E-05	.023	.020	1.037E-07	10.41	.76	.50	.024

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 222

CASE TEST (329, MJAC-E RSI GAPS, RUN (134) 1973

CH	GAMMA (DEG)	YSTOP (CM)	XP (CM)	YP (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	7.35	14.97	7.35	7.62	1.16	7.62	2.962E-04	.136	.117	3.930E-06	10.41	.76	.50	.143
48	0.0	7.25	14.88	7.26	7.62	.33	7.62	1.381E-03	.636	.546	8.538E-05	10.41	.76	.50	.664
49	0.0	7.27	14.89	7.27	7.30	0.00	7.30	2.103E-03	.957	.831	1.950E-04	10.51	.76	.50	
50	0.0	7.33	14.95	7.33	7.69	0.00	3.69	1.451E-03	.595	.573	8.401E-05	11.31	.82	.50	
51	0.0	7.43	15.02	7.43	0.00	0.00	0.00	1.143E-03	.560	.560	7.931E-05	11.56	.83	.50	
52	0.0	7.54	15.23	7.58	-3.58	0.00	-3.58	1.626E-03	.670	.643	1.061E-04	11.24	.81	.50	
53	0.0	7.16	14.74	7.16	-7.24	0.00	-7.24	1.981E-03	.957	.783	1.044E-04	10.36	.75	.50	
54	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	1.488E-03	.732	.588	1.060E-04	10.24	.74	.50	.765
55	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	2.918E-04	.144	.115	4.077E-06	10.24	.74	.50	.150
56	0.0	7.26	14.87	7.25	-7.62	2.32	-7.62	4.344E-05	.021	.017	9.330E-08	10.24	.74	.50	.022
57	0.0	7.26	14.88	7.26	-7.62	3.70	-7.62	2.680E-05	.013	.011	3.437E-08	10.24	.74	.50	.014
58	0.0	7.24	14.86	7.24	-7.62	4.97	-7.62	1.556E-05	.007	.006	1.029E-08	10.24	.74	.50	.008
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	1.455E-05	.007	.006	1.014E-08	10.24	.74	.50	.007
60	0.0	7.45	15.24	7.62	7.14	.27	7.14	1.120E-03	.511	.446	5.605E-05	10.56	.77	.50	.534
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	2.595E-04	.118	.103	2.986E-06	10.50	.76	.50	.124
62	0.0	8.92	15.24	7.62	7.13	2.34	7.13	5.108E-05	.023	.020	1.148E-07	10.56	.77	.50	.024
63	0.0	11.23	15.24	7.62	7.19	3.71	7.19	4.393E-05	.020	.017	8.510E-08	10.54	.77	.50	.021
64	0.0	12.60	15.24	7.62	7.14	5.02	7.14	1.052E-05	.005	.004	4.874E-09	10.56	.77	.50	.005
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	2.488E-05	.011	.010	2.726E-08	10.56	.77	.50	.012
66	0.0	7.99	15.24	7.62	3.44	.36	3.44	5.624E-04	.230	.222	1.258E-05	11.35	.82	.50	.286
67	0.0	8.91	15.24	7.62	3.44	2.19	3.44	2.223E-04	.091	.088	1.964E-06	11.35	.82	.50	.153
68	0.0	10.06	15.24	7.62	3.45	2.44	3.45	8.366E-05	.034	.033	2.783E-07	11.34	.82	.50	.057
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	3.527E-05	.014	.014	4.951E-08	11.34	.82	.50	.024
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	1.499E-05	.006	.006	8.934E-09	11.34	.82	.53	.010
71	0.0	13.42	15.24	7.62	3.40	5.81	3.40	1.988E-05	.008	.008	1.571E-08	11.35	.82	.50	.014
72															
73	0.0	8.95	15.24	7.62	0.00	1.15	0.00	2.471E-04	.098	.098	2.347E-06	11.56	.83	.50	.172
74	0.0	10.07	15.24	7.62	0.00	2.37	0.00	7.379E-05	.030	.030	2.267E-07	11.56	.83	.50	.053
75	0.0	11.41	15.24	7.62	0.00	3.70	0.00	4.854E-05	.019	.019	9.057E-08	11.56	.83	.50	.034
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	3.379E-05	.013	.013	4.300E-08	11.56	.83	.50	.024
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	1.557E-05	.006	.006	9.441E-09	11.56	.83	.50	.011
78	0.0	8.94	15.24	7.62	-3.59	.34	-3.59	6.478E-04	.257	.256	1.603E-05	11.24	.81	.50	.398
79	0.0	8.92	15.24	7.62	-3.63	1.17	-3.63	2.299E-04	.094	.090	2.103E-06	11.24	.81	.50	.141
80	0.0	10.07	15.24	7.62	-3.60	2.42	-3.60	4.933E-05	.020	.019	9.759E-08	11.24	.81	.50	.030
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	.120E-05	.005	.004	5.101E-09	11.25	.81	.50	.007
82	0.0	12.73	15.24	7.62	-3.58	5.08	-3.59	.142E-05	.006	.006	8.154E-09	11.24	.81	.50	.009
83	0.0	13.44	15.24	7.62	-3.62	5.79	-3.62	.991E-06	.002	.002	1.435E-09	11.24	.81	.50	.004
84	0.0	-.00	15.24	7.62	-7.33	.31	-7.33	.144E-03	.555	.452	6.170E-05	10.33	.75	.53	.580
85	0.0	8.94	15.24	7.62	-7.36	1.09	-7.36	2.056E-04	.103	.091	1.997E-06	10.32	.75	.50	.104
86	0.0	9.36	15.24	7.62	-7.36	2.36	-7.36	3.659E-05	.018	.014	6.362E-08	10.32	.75	.50	.019
87	0.0	11.23	15.24	7.62	-7.33	3.74	-7.33	1.990E-05	.007	.006	1.045E-08	10.33	.75	.50	.008
88	0.0	12.52	15.24	7.62	-7.33	5.03	-7.33	1.788E-05	.009	.007	1.508E-08	10.33	.75	.50	.009
89	0.0	13.15	15.24	7.62	-7.35	5.66	-7.35	1.749E-05	.006	.007	1.445E-08	10.33	.75	.50	.009

HEAT TEST (32), MACH-8 RSI GAPS, RUN (135) 1973

MACH = 10.290
PX EDGE = 3.361E-01
PL EDGE = 9.402E-02
RE/METER = 3.378E+06
HO = 2.554E+08(N/M2- K)
TW = 299.8 (K)
STEP = 3.000(CM)

TT = 9.950E+02(K)
PI = 5.167E+06(N/M2)
T1 = 4.683E+01(K)
P1 = 0.982E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .711 (CM)
CONF = IN-L

TAN/TT =0.898 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG.)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	3.110E-05	.014	.012	4.321E-08	10.43	.76	.50	.013
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	2.636E-05	.012	.010	3.105E-08	10.43	.76	.50	.011
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	6.293E-05	.029	.025	1.769E-07	10.43	.76	.50	.025
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	5.793E-05	.027	.023	1.499E-07	10.43	.76	.50	.023
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	2.487E-04	.114	.098	2.763E-06	10.43	.76	.50	.100
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.422E-03	.653	.562	9.039E-05	10.43	.76	.50	.575
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.504E-03	1.137	.989	2.[illegible]9E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	3.319E-03	1.237	1.193	3.633E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.004E-03	1.187	1.187	3.469E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.54	0.00	-3.51	3.006E-03	1.237	1.188	3.618E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	3.249E-03	1.566	1.284	4.949E-04	10.37	.75	.50	
20															
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	2.730E-04	.134	.108	3.554E-06	10.26	.75	.50	.085
22	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	3.034E-05	.015	.012	4.390E-08	10.26	.75	.50	.010
23	7.5	0.00	7.62	0.00	-7.62	3.70	-7.55	3.652E-05	.018	.014	6.363E-08	10.26	.75	.50	.011
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	3.353E-05	.016	.013	5.364E-08	10.26	.75	.50	.011
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	4.831E-05	.024	.019	1.113E-07	10.26	.75	.50	.015
26	7.5	3.76	11.38	3.76	7.62	5.70	8.05	1.940E-05	.009	.008	1.732E-08	10.28	.75	.50	.008
27	7.5	3.80	11.42	3.80	7.62	5.04	8.05	3.006E-05	.014	.012	4.158E-08	10.28	.75	.50	.012
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	3.399E-05	.016	.013	5.313E-08	10.28	.75	.50	.014
29	7.5	3.81	11.43	3.81	7.62	2.44	8.05	7.407E-05	.035	.029	2.524E-07	10.28	.75	.50	.030
30	7.5	3.83	11.45	3.83	7.62	1.16	8.05	4.174E-04	.197	.165	8.016E-06	10.27	.75	.50	.167
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.509E-03	.762	.636	1.192E-04	10.27	.75	.50	.642
32	7.5	3.79	11.41	3.79	7.24	3.00	7.67	2.566E-03	1.185	1.014	2.958E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.631E-03	1.090	1.039	2.790E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.00	0.00	.52	2.652E-03	1.052	1.048	2.715E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	2.942E-03	1.199	1.162	3.430E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	3.734E-03	1.757	1.475	6.381E-04	10.52	.76	.50	
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	2.389E-03	1.143	.944	2.656E-04	10.42	.76	.50	.651
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	3.503E-04	.168	.138	5.713E-06	10.42	.76	.50	.095
39	7.5	3.80	11.42	3.80	-7.62	2.35	-7.06	6.847E-05	.033	.027	2.182E-07	10.42	.76	.50	.019
40	7.5	3.80	11.42	3.80	-7.62	3.62	-7.06	3.589E-05	.017	.014	5.997E-08	10.42	.76	.50	.010
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.08	3.853E-05	.018	.015	6.951E-08	10.41	.76	.50	.011
42	7.5	3.62	11.24	3.62	-7.62	5.68	-7.08	2.412E-05	.012	.010	2.710E-08	10.41	.76	.50	.007
43	7.5	7.35	14.97	7.35	7.62	5.70	8.51	1.495E-05	.008	.006	5.675E-09	10.12	.74	.50	.004
44	7.5	7.33	14.95	7.33	7.62	4.91	8.51	2.484E-05	.012	.010	2.919E-08	10.12	.74	.50	.006
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	3.153E-05	.015	.012	4.703E-08	10.12	.74	.50	.019
46	7.5	7.36	14.98	7.36	7.62	2.37	8.51	2.723E-05	.013	.011	3.513E-08	10.12	.74	.50	.023

CFHT TEST (92), MDAC-E RSI GAPS, RUN (135) 19/3 PAGE 224

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	7.5	7.35	14.97	7.35	7.62	1.16	8.51	2.721E-04	.132	.108	3.505E-06	10.12	.74	.50	.199
48	7.5	7.29	14.88	7.26	7.62	.33	8.50	8.664E-04	.421	.342	3.551E-05	10.12	.74	.50	.632
49	7.5	7.27	14.89	7.27	7.33	0.00	8.19	1.398E-03	.667	.552	9.069E-05	10.23	.75	.50	
50	7.5	7.33	14.95	7.33	3.69	0.00	4.61	1.400E-03	.586	.553	7.983E-05	11.16	.81	.50	
51	7.5	7.40	15.02	7.40	0.00	0.00	.97	1.434E-03	.571	.567	7.964E-05	11.55	.83	.50	
52	7.5	7.59	15.20	7.58	-3.58	0.00	-2.56	1.803E-03	.727	.712	1.275E-04	11.39	.82	.50	
53	7.5	7.15	14.79	7.16	-7.24	0.00	-6.25	2.666E-03	1.225	1.053	3.176E-04	10.66	.77	.50	
54	7.5	7.25	14.89	7.26	-7.62	.31	-6.61	2.020E-03	.945	.798	1.857E-04	10.56	.77	.50	.771
55	7.5	7.30	14.92	7.30	-7.62	1.11	-6.60	3.435E-04	.161	.136	5.367E-06	10.56	.77	.50	.131
56	7.5	7.25	14.87	7.25	-7.62	2.32	-6.61	4.057E-05	.019	.016	7.526E-08	10.56	.77	.50	.016
57	7.5	7.26	14.88	7.26	-7.62	3.70	-6.61	2.247E-05	.011	.009	2.297E-08	10.56	.77	.50	.009
58	7.5	7.24	14.86	7.24	-7.62	4.97	-6.61	2.591E-05	.013	.011	3.294E-08	10.55	.77	.50	.010
59	7.5	7.25	14.87	7.25	-7.62	5.62	-6.61	2.712E-05	.013	.011	3.346E-08	10.55	.77	.50	.010
60	7.5	7.45	15.24	7.62	7.14	.27	8.08	7.284E-04	.345	.288	2.445E-05	10.27	.75	.50	.517
61	7.5	8.75	15.24	7.62	7.35	1.17	8.28	2.549E-04	.122	.101	3.031E-06	10.20	.75	.50	.183
62	7.5	9.92	15.24	7.62	7.13	2.34	8.06	3.973E-05	.019	.016	7.269E-08	10.27	.75	.50	.028
63	7.5	11.29	15.24	7.62	7.19	3.71	8.12	2.328E-05	.011	.009	2.504E-08	10.25	.75	.50	.017
64	7.5	12.60	15.24	7.62	7.14	5.02	8.07	1.521E-05	.007	.006	1.066E-08	10.27	.75	.50	.011
65	7.5	13.22	15.24	7.62	7.14	5.63	8.07	2.985E-05	.014	.012	4.104E-08	10.27	.75	.50	.021
66	7.5	7.39	15.24	7.62	3.44	.36	4.41	5.364E-04	.223	.212	1.166E-05	11.20	.81	.50	.391
67	7.5	8.81	15.24	7.62	3.44	1.19	4.41	2.353E-04	.098	.093	2.243E-06	11.20	.81	.50	.167
68	7.5	10.05	15.24	7.62	3.45	2.44	4.41	5.383E-05	.022	.021	1.174E-07	11.19	.81	.50	.039
69	7.5	11.35	15.24	7.62	3.50	3.74	4.46	5.424E-05	.023	.021	1.193E-07	11.19	.81	.50	.039
70	7.5	12.65	15.24	7.62	3.46	5.04	4.43	1.745E-05	.007	.007	1.235E-08	11.19	.81	.50	.012
71	7.5	13.42	15.24	7.62	3.40	5.81	4.37	2.886E-05	.012	.011	3.370E-08	11.20	.81	.50	.020
72	7.5	8.07	15.24	7.62	0.00	.38	.99	2.047E-06	.001	.001	1.623E-10	11.55	.83	.50	.001
73	7.5	8.95	15.24	7.62	0.00	1.15	.99	2.508E-04	.100	.099	2.436E-06	11.55	.83	.50	.175
74	7.5	10.07	15.24	7.62	0.00	2.37	.99	5.274E-05	.021	.021	1.077E-07	11.55	.83	.50	.037
75	7.5	11.40	15.24	7.62	0.00	3.70	.99	4.337E-05	.017	.017	7.287E-08	11.55	.83	.50	.030
76	7.5	12.69	15.24	7.62	0.00	4.99	.99	1.453E-05	.006	.006	8.183E-09	11.55	.83	.50	.010
77	7.5	13.43	15.24	7.62	0.00	5.74	.99	1.328E-05	.005	.005	6.833E-09	11.55	.83	.50	.009
78	7.5	8.04	15.24	7.62	-3.59	.38	-2.57	7.197E-04	.286	.280	1.976E-05	11.39	.82	.50	.394
79	7.5	8.92	15.24	7.62	-3.63	1.17	-2.60	2.351E-04	.095	.093	2.170E-06	11.38	.82	.50	.131
80	7.5	10.07	15.24	7.62	-3.60	2.42	-2.59	6.531E-05	.026	.026	1.674E-07	11.39	.82	.50	.036
81	7.5	11.41	15.24	7.62	-3.56	3.76	-2.53	3.463E-05	.014	.014	4.701E-08	11.39	.82	.50	.019
82	7.5	12.73	15.24	7.62	-3.58	5.09	-2.55	1.291E-05	.005	.005	6.536E-09	11.39	.82	.50	.007
83	7.5	13.44	15.24	7.62	-3.62	5.79	-2.59	1.215E-05	.005	.005	5.789E-09	11.38	.82	.50	.007
84	7.5	7.84	15.24	7.62	-7.33	.31	-6.27	1.523E-03	.700	.602	1.037E-04	10.65	.77	.50	.572
85	7.5	8.58	15.24	7.62	-7.36	1.09	-6.30	2.255E-04	.104	.089	2.273E-06	10.64	.77	.50	.095
86	7.5	9.69	15.24	7.62	-7.36	2.36	-6.30	4.158E-05	.019	.016	7.746E-08	10.64	.77	.50	.016
87	7.5	11.01	15.24	7.62	-7.33	3.74	-6.27	2.963E-05	.013	.011	3.514E-08	10.65	.77	.50	.011
88	7.5	12.31	15.24	7.62	-7.33	5.03	-6.27	2.354E-05	.009	.008	1.387E-08	10.65	.77	.50	.009
89	7.5	13.14	15.24	7.62	-7.35	5.65	-6.29	2.252E-05	.010	.009	2.271E-08	10.64	.77	.50	.009

CFHT TEST (32), MDAC-E RSI GAPS, RUN (136) 1973 PAGE 225

MACH = 10.290 TT = 9.955E+02(K)
PX EJE = 3.358E-01 PI = 5.169E+06(N/M2)
PL E06 = 8.395E-02 T1 = 4.686E+01(K)
PE/METER = 3.305E+06 P1 = 0.983E+02(N/M2)
HC = 2.554E+08(M/MS- K) (RHO V)1 = 1.033E+01(KG/M2-S)
TW = 300.2 (K) GAP = .711 (CM)
STEP = 0.100(CM) CONF =IN-L

TAW/TT =1.89E FOR HT/HO TILE COORDINATES(GAMMA=0.0
YSURF =SURFACE DISTANCE XR = X-COOR. FROM TILE L.E.
(FLOW DIRECTION) XC = X-COOR. FROM TILE CENTER
(0.0 DE 90 DEG) YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	2.282E-05	.010	.009	2.313E-08	10.49	.76	.50	.010
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	3.846E-05	.018	.015	6.562E-08	10.49	.76	.50	.017
11	15.0	0.00	7.62	0.00	7.62	3.74	7.36	3.118E-05	.014	.012	4.313E-08	10.49	.76	.50	.014
12	15.0	0.00	7.62	0.00	7.62	2.36	7.36	6.788E-05	.031	.027	2.032E-07	10.49	.76	.50	.031
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	2.808E-04	.129	.111	3.497E-06	10.49	.76	.50	.128
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	1.234E-03	.563	.488	6.755E-05	10.49	.76	.50	.561
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	2.225E-03	1.003	.879	2.171E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	2.980E-03	1.219	1.178	3.534E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.022E-03	1.194	1.194	3.512E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.54	0.00	-3.42	3.052E-03	1.253	1.206	3.722E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	3.350E-03	1.604	1.328	5.244E-04	10.43	.76	.50	
20	15.0	0.00	7.62	0.00	-7.62	.41	-7.36	2.574E-06	.001	.001	3.379E-10	10.32	.75	.50	.001
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	2.617E-04	.127	.103	3.236E-06	10.32	.75	.50	.079
22	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	3.788E-05	.016	.015	6.782E-08	10.32	.75	.50	.011
23	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	3.029E-05	.015	.012	4.335E-08	10.32	.75	.50	.009
24	15.0	0.00	7.62	0.00	-7.62	5.07	-7.36	1.847E-05	.009	.007	1.611E-08	10.32	.75	.50	.006
25	15.0	0.00	7.62	0.00	-7.62	5.73	-7.36	3.147E-05	.015	.012	4.650E-08	10.32	.75	.50	.009
26	15.0	3.76	11.38	3.76	7.62	5.70	8.33	1.652E-05	.008	.007	1.278E-08	10.18	.74	.50	.008
27	15.0	3.80	11.42	3.80	7.62	5.04	8.34	3.347E-05	.016	.013	5.249E-08	10.18	.74	.50	.016
28	15.0	3.76	11.38	3.76	7.62	3.72	8.33	3.474E-05	.017	.014	5.649E-08	10.18	.74	.50	.017
29	15.0	3.81	11.43	3.81	7.62	2.44	8.35	7.256E-05	.035	.029	2.467E-07	10.18	.74	.50	.035
30	15.0	3.93	11.45	3.93	7.62	1.16	8.35	3.891E-04	.187	.154	7.098E-06	10.17	.74	.50	.197
31	15.0	3.87	11.49	3.87	7.62	.33	8.36	1.235E-03	.595	.488	7.150E-05	10.17	.74	.50	.595
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	2.125E-03	1.000	.840	2.068E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.557E-03	1.074	1.014	2.682E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.590E-03	1.072	1.063	2.805E-04	11.55	.83	.50	
35	15.0	3.89	11.51	3.89	-3.59	0.00	-2.46	3.045E-03	1.227	1.203	3.634E-04	11.40	.82	.50	
36	15.0	3.74	11.36	3.74	-7.28	0.00	-5.06	4.256E-03	1.937	1.579	8.008E-04	10.71	.78	.50	
37	15.0	3.79	11.41	3.79	-7.62	.37	-6.38	2.756E-03	1.274	1.099	3.415E-04	10.62	.77	.50	.658
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.38	3.451E-04	.160	.136	5.359E-06	10.62	.77	.50	.082
39	15.0	3.80	11.42	3.80	-7.62	2.35	-6.38	5.777E-05	.027	.023	1.501E-07	10.62	.77	.50	.014
40	15.0	3.80	11.42	3.80	-7.62	3.62	-6.38	2.137E-05	.010	.008	2.054E-08	10.62	.77	.50	.005
41	15.0	3.67	11.29	3.67	-7.62	5.04	-6.41	2.958E-05	.014	.012	3.941E-08	10.61	.77	.50	.007
42	15.0	3.62	11.24	3.62	-7.62	5.68	-6.42	4.092E-05	.019	.016	7.509E-08	10.61	.77	.50	.010
43	15.0	7.37	14.97	7.35	7.62	5.70	9.26	2.182E-05	.011	.009	2.355E-08	9.85	.72	.50	.022
44	15.0	7.33	14.95	7.33	7.62	4.91	9.26	2.557E-05	.014	.011	3.493E-08	9.85	.72	.50	.026
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	1.878E-05	.010	.007	1.744E-08	9.85	.72	.50	.013
46	15.0	7.36	14.98	7.36	7.62	2.37	9.26	1.411E-05	.007	.006	9.956E-09	9.84	.72	.50	.014

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	N-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	1.377E-04	.131	.078	1.935E-06	9.85	.72	.50	.197
48	15.0	7.25	14.99	7.26	7.62	.33	9.24	5.638E-04	.286	.223	1.571E-05	9.85	.72	.50	.561
49	15.0	7.27	14.89	7.27	7.30	0.00	8.93	1.624E-03	.511	.405	5.089E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.362E-03	.583	.538	7.719E-05	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.481E-03	.594	.585	8.560E-05	11.50	.83	.50	
52	15.0	7.58	15.20	7.58	-3.58	0.00	-1.50	1.974E-03	.789	.780	1.516E-04	11.49	.83	.50	
53	15.0	7.16	14.78	7.16	-7.24	0.00	-5.14	3.205E-03	1.401	1.266	4.369E-04	10.94	.79	.50	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.48	2.398E-03	1.065	.948	2.483E-04	10.86	.78	.50	.760
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	3.504E-04	.160	.142	5.608E-06	10.86	.78	.50	.114
56	15.0	7.25	14.87	7.25	-7.62	2.32	-5.48	4.026E-05	.018	.016	7.001E-08	10.86	.78	.50	.013
57	15.0	7.26	14.88	7.26	-7.62	3.70	-5.48	5.307E-05	.024	.021	1.216E-07	10.86	.78	.50	.017
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.48	4.488E-05	.020	.018	8.702E-08	10.86	.78	.50	.014
59	15.0	7.25	14.87	7.25	-7.62	5.52	-5.48	2.575E-05	.012	.011	3.091E-08	10.86	.78	.50	.008
60	15.0	7.85	15.24	7.62	7.14	.27	8.87	4.906E-04	.244	.194	1.164E-05	9.99	.73	.50	.477
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	2.211E-04	.111	.087	2.390E-06	9.92	.73	.50	.218
62	15.0	9.92	15.24	7.62	7.13	2.34	8.96	5.321E-05	.026	.021	1.368E-07	10.00	.73	.50	.052
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	1.135E-05	.006	.004	6.247E-09	9.97	.73	.50	.011
64	15.0	12.60	15.24	7.62	7.14	5.02	8.87	1.532E-05	.008	.006	1.135E-08	9.99	.73	.50	.015
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	1.030E-05	.005	.004	5.130E-09	9.99	.73	.50	.013
66	15.0	7.98	15.24	7.62	3.44	.36	5.30	5.448E-04	.232	.215	1.229E-05	11.02	.80	.50	.398
67	15.0	8.81	15.24	7.62	3.44	1.19	5.30	2.171E-04	.092	.086	1.952E-06	11.02	.80	.50	.159
68	15.0	10.16	15.24	7.62	3.45	2.44	5.30	6.189E-05	.026	.024	1.586E-07	11.02	.80	.50	.045
69	15.0	11.35	15.24	7.62	3.50	3.74	5.35	3.272E-05	.014	.013	4.440E-08	11.01	.80	.50	.024
70	15.0	12.65	15.24	7.62	3.46	5.04	5.32	1.732E-05	.007	.007	1.242E-08	11.02	.80	.50	.013
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	1.382E-05	.006	.005	7.898E-09	11.33	.80	.50	.010
72															
73	15.0	8.95	15.24	7.62	0.00	1.15	1.97	2.245E-04	.090	.089	1.969E-06	11.50	.83	.50	152
74	15.0	10.47	15.24	7.62	0.00	2.37	1.97	4.567E-05	.018	.018	8.143E-08	11.50	.83	.50	.031
75	15.0	11.40	15.24	7.62	0.00	3.70	1.97	1.570E-05	.006	.005	9.624E-09	11.50	.83	.50	.011
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	2.324E-05	.009	.009	2.109E-08	11.50	.83	.50	.016
77	15.0	13.43	15.24	7.62	0.00	5.74	1.97	1.340E-05	.005	.005	7.313E-09	11.50	.83	.50	.009
78	15.0	8.44	15.24	7.62	-3.59	.38	-1.50	7.861E-04	.314	.311	2.404E-05	11.49	.83	.50	.398
79	15.0	9.82	15.24	7.62	-3.63	1.17	-1.53	2.214E-04	.089	.087	1.989E-06	11.49	.83	.50	.112
80	15.0	10.67	15.24	7.62	-3.63	2.42	-1.51	5.144E-05	.021	.020	1.029E-07	11.49	.83	.50	.026
81	15.0	11.41	15.24	7.62	-3.55	3.76	-1.46	2.013E-05	.008	.008	1.575E-08	11.50	.83	.50	.010
82	15.0	12.73	15.24	7.62	-3.58	5.09	-1.48	1.350E-05	.005	.005	7.083E-09	11.49	.83	.50	.007
83	15.0	13.44	15.24	7.62	-3.62	5.79	-1.52	7.030E-06	.003	.003	1.922E-09	11.49	.83	.50	.004
84	15.0	7.81	15.24	7.62	-7.33	.31	-5.11	1.820E-03	.794	.719	1.407E-04	10.94	.79	.50	.567
85	15.0	8.58	15.24	7.62	-7.36	1.09	-5.14	2.208E-04	.096	.087	2.473E-06	10.94	.79	.50	.053
86	15.0	9.86	15.24	7.62	-7.36	2.36	-5.14	4.915E-05	.021	.019	1.027E-07	10.94	.79	.50	.015
87	15.0	11.23	15.24	7.62	-7.33	3.74	-5.11	5.965E-05	.026	.024	1.511E-07	10.94	.79	.50	.019
88	15.0	12.52	15.24	7.62	-7.33	5.03	-5.11	2.174E-05	.009	.009	2.007E-08	10.94	.79	.50	.007
89	15.0	13.15	15.24	7.62	-7.35	5.66	-5.13	1.550E-05	.007	.007	1.157E-08	10.94	.79	.50	.005

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

GREAT TEST (92), MACH= RSI GAPS, RUN (137) 1973 PAGE 227

MACH = 10.290 TT = 9.955E+02(K)
RY FOR = 3.362E-01 PI = 5.173E+06(N/M2)
PL FOR = 8.434E-02 T1 = +.686E+01(K)
RE/METER = 3.309E+06 P1 = 0.983E+02(N/M2)
HO = 2.554E+03(W/M2- K) (RHO V)1 = 1.034E+01(KG/M2-S)
TW = 300.2 (K) GAP = .711 (CM)
STEP = 0.000(CM) CONF =IN-L

TAW/TT =1.00 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (.00 OR 90 DEG)

TTLE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

J#	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	GELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	0.00	7.62	0.00	7.62	5.70	6.60	2.002E-05	.039	.008	1.728E-08	10.71	.78	.50	.011
10	90.0	0.00	7.62	0.00	7.62	5.03	6.60	2.914E-05	.013	.012	3.661E-08	10.71	.78	.50	.016
11	90.0	0.00	7.62	0.00	7.62	3.74	6.60	4.195E-05	.019	.017	7.585E-08	10.71	.78	.50	.022
12	90.0	0.00	7.62	0.00	7.62	2.36	6.60	7.892E-05	.035	.031	2.684E-07	10.71	.78	.50	.042
13	90.0	0.00	7.62	0.00	7.62	1.14	6.60	2.531E-04	.112	.100	2.761E-06	10.71	.78	.50	.135
14	90.0	0.00	7.62	0.00	7.62	.33	6.60	9.519E-04	.427	.380	3.989E-05	10.71	.78	.50	.513
15	90.0	0.00	7.62	0.00	7.29	0.00	6.32	1.895E-03	.832	.749	1.533E-04	10.78	.78	.50	
16	90.0	0.00	7.62	0.00	3.63	0.00	3.15	2.950E-03	1.200	1.166	3.440E-04	11.39	.82	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.014E-03	1.191	1.191	3.489E-04	11.5	.83	.50	
18	90.0	0.00	7.62	0.00	-3.54	0.00	-3.07	3.004E-03	1.225	1.187	3.576E-04	11.32	.81	.50	
19	90.0	0.00	7.62	0.00	-7.27	0.00	-6.29	3.481E-03	1.603	1.376	5.423E-04	10.64	.77	.50	
20	90.0	0.00	7.62	0.00	-7.62	.41	-6.60	3.623E-07	.000	.000	5.964E-12	10.56	.77	.50	.000
21	90.0	0.00	7.62	0.00	-7.62	1.17	-6.60	2.501E-04	.122	.103	3.375E-06	10.56	.77	.50	.076
22	90.0	0.00	7.62	0.00	-7.62	2.39	-6.60	6.129E-05	.029	.024	1.707E-07	10.56	.77	.50	.019
23	90.0	0.00	7.62	0.00	-7.62	3.70	-6.60	5.326E-05	.025	.021	1.323E-07	10.56	.77	.50	.016
24	90.0	0.00	7.62	0.00	-7.62	5.07	-6.60	3.791E-05	.018	.015	6.531E-08	10.56	.77	.50	.011
25	90.0	0.00	7.62	0.00	-7.62	5.73	-6.60	3.343E-05	.016	.013	5.377E-08	10.56	.77	.50	.010
26	90.0	3.76	11.38	3.76	7.62	5.70	8.48	1.283E-05	.006	.005	7.764E-09	10.13	.74	.50	.008
27	90.0	3.80	11.42	3.80	7.62	5.04	8.50	1.890E-05	.009	.007	1.688E-08	10.12	.74	.50	.012
28	90.0	3.76	11.38	3.76	7.62	3.72	8.48	2.996E-05	.015	.012	4.235E-08	10.13	.74	.50	.020
29	90.0	3.81	11.43	3.81	7.62	2.44	8.51	4.859E-05	.024	.019	1.116E-07	10.12	.74	.50	.032
30	90.0	3.83	11.45	3.83	7.62	1.16	8.51	1.517E-04	.079	.064	1.237E-06	10.12	.74	.50	.106
31	90.0	3.87	11.49	3.87	7.62	.33	8.53	6.715E-04	.327	.265	2.135E-05	10.11	.74	.50	.441
32	90.0	3.79	11.41	3.79	7.24	0.00	8.17	1.558E-03	.742	.616	1.123E-04	10.24	.75	.50	
33	90.0	3.92	11.54	3.92	3.71	0.00	5.17	2.534E-03	1.074	1.001	2.646E-04	11.05	.80	.50	
34	90.0	3.95	11.57	3.95	0.00	0.00	1.98	2.664E-03	1.069	1.053	2.768E-04	11.50	.83	.50	
35	90.0	3.93	11.51	3.89	-3.59	0.00	-1.17	3.312E-03	1.321	1.309	4.252E-04	11.51	.83	.50	
36	90.0	3.74	11.36	3.74	-7.28	0.00	-4.43	4.931E-03	2.094	1.949	1.004E-03	11.09	.80	.50	
37	90.0	3.79	11.41	3.79	-7.62	.37	-4.70	3.076E-03	1.321	1.216	3.950E-04	11.03	.80	.50	.631
38	90.0	3.74	11.36	3.74	-7.62	1.15	-4.73	3.709E-04	.159	.147	5.747E-06	11.03	.80	.50	.076
39	90.0	3.80	11.42	3.80	-7.62	2.35	-4.70	3.582E-05	.016	.015	5.657E-08	11.03	.80	.50	.009
40	90.0	3.80	11.42	3.80	-7.62	3.62	-4.70	4.858E-05	.021	.019	9.848E-08	11.03	.80	.50	.013
41	90.0	3.67	11.29	3.67	-7.62	5.04	-4.77	3.094E-05	.013	.012	4.005E-08	11.02	.80	.50	.006
42	90.0	3.62	11.24	3.62	-7.62	5.68	-4.79	1.350E-05	.006	.005	7.637E-09	11.02	.79	.50	.003
43	90.0	7.35	14.97	7.35	7.62	5.70	10.27	6.540E-06	.004	.003	2.237E-09	9.44	.70	.50	.010
44	90.0	7.33	14.95	7.33	7.62	4.91	10.26	1.261E-05	.007	.005	8.314E-09	9.44	.70	.50	.018
45	90.0	7.32	14.94	7.32	7.62	3.72	10.26	1.329E-05	.007	.005	9.236E-09	9.45	.70	.50	.019
46	90.0	7.36	14.98	7.36	7.62	2.37	10.28	6.346E-06	.003	.002	1.913E-09	9.44	.70	.50	.009

470

PAGE 220

J	RADIUS (DEG)	XSUBE (CM)	YB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	HSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.00	7.36	14.98	7.36	7.62	1.15	10.27	1.4508E-04	.057	.042	5.851E-07	9.44	.70	.50	.154
48	30.00	7.36	14.98	7.36	7.62	1.15	10.23	2.3315E-04	.140	.103	3.569E-06	9.46	.70	.53	.379
49	30.00	7.26	14.83	7.26	7.62	.33	10.23	2.3315E-04	.140	.277	2.513E-05	9.57	.70	.53	
50	30.00	7.27	14.93	7.27	7.30	0.00	9.96	7.0601E-04	.376	.532	7.993E-05	10.64	.77	.53	
51	30.00	7.33	14.93	7.33	3.69	0.00	6.96	1.3466E-03	.603	.658	1.105E-04	11.31	.82	.53	
52	30.00	7.40	15.02	7.40	3.30	0.00	3.70	1.6665E-03	.683	.955	2.256E-04	11.55	.83	.53	
53	30.00	7.26	15.22	7.26	-.59	1.02	.69	2.4417E-03	.960	1.455	5.329E-04	11.37	.82	.50	
54	30.00	7.16	14.73	7.16	-7.24	3.10	-2.69	3.6826E-03	1.489	1.455					
54	30.00	7.26	14.93	7.26	-7.62	.31	-2.97	2.5796E-03	1.090	1.059	2.837E-04	11.34	.82	.53	.732
55	30.00	7.30	14.98	7.30	-7.62	1.11	-2.95	3.3146E-04	.147	.143	5.162E-05	11.34	.82	.50	.099
56	30.00	7.26	14.87	7.26	-7.62	2.32	-2.97	6.7616E-05	.028	.027	1.807E-07	11.34	.82	.50	.016
57	30.00	7.26	14.84	7.26	-7.62	4.70	-2.97	3.0196E-05	.012	.012	3.604E-08	11.34	.82	.53	.004
58	30.00	7.26	14.84	7.26	-7.62	4.97	-2.98	2.6661E-05	.011	.011	2.801E-09	11.33	.82	.53	.007
59	30.00	7.24	14.84	7.24	-7.62	5.62	-2.97	2.9776E-05	.012	.012	3.503E-08	11.34	.82	.53	.008
60	30.00	7.25	14.87	7.25	-7.62	5.62	-2.97	2.9776E-05	.012	.012	2.786E-06	9.55	.70	.53	.333
61	30.00	7.65	15.24	7.65	7.11	.27	10.03	2.3266E-04	.123	.092	7.014E-07	9.44	.73	.53	.158
62	30.00	7.65	15.24	7.65	7.30	1.17	10.17	1.4151E-04	.062	.046	3.420E-09	9.56	.76	.53	.037
63	30.00	7.64	15.24	7.64	7.13	2.34	9.38	2.5776E-05	.014	.010	3.347E-09	9.54	.76	.53	.013
64	30.00	7.65	15.24	7.65	7.13	3.71	10.04	1.3456E-05	.007	.005					
54	30.00	7.26	14.98	7.26	-7.62	.31	-2.97	2.5796E-03	1.090	1.059	2.837E-04	11.34	.82	.53	.732
55	30.00	7.30	14.98	7.30	-7.62	1.11	-2.95	3.3146E-04	.147	.143	5.162E-05	11.34	.82	.50	.099
56	30.00	7.26	14.87	7.26	-7.62	2.32	-2.97	6.7616E-05	.028	.027	1.807E-07	11.34	.82	.50	.016
57	30.00	7.26	14.84	7.26	-7.62	4.70	-2.97	3.0196E-05	.012	.012	3.604E-08	11.34	.82	.53	.004
58	30.00	7.24	14.84	7.24	-7.62	4.97	-2.98	2.6661E-05	.011	.011	2.801E-09	11.33	.82	.53	.007
59	30.00	7.25	14.87	7.25	-7.62	5.62	-2.97	2.9776E-05	.012	.012	3.503E-08	11.34	.82	.53	.008
60	30.00	7.65	15.24	7.65	7.11	.27	10.03	2.3266E-04	.123	.092	2.786E-06	9.55	.70	.53	.333
61	30.00	7.65	15.24	7.65	7.30	1.17	10.17	1.4151E-04	.062	.046	7.014E-07	9.44	.73	.53	.158
62	30.00	7.64	15.24	7.64	7.13	2.34	9.38	2.5776E-05	.014	.010	3.420E-09	9.56	.76	.53	.037
63	30.00	7.65	15.24	7.65	7.13	3.71	10.04	1.3456E-05	.007	.005	3.347E-09	9.54	.76	.53	.013
54	30.00	7.26	14.98	7.26	-7.62	.31	-2.97	2.5796E-03	1.090	1.059	2.837E-04	11.34	.82	.53	.732
55	30.00	7.30	14.98	7.30	-7.62	1.11	-2.95	3.3146E-04	.147	.143	5.162E-05	11.34	.82	.50	.099
56	30.00	7.26	14.87	7.26	-7.62	2.32	-2.97	6.7616E-05	.028	.027	1.807E-07	11.34	.82	.50	.016
57	30.00	7.26	14.84	7.26	-7.62	4.70	-2.97	3.0196E-05	.012	.012	3.604E-08	11.34	.82	.53	.004
58	30.00	7.24	14.84	7.24	-7.62	4.97	-2.98	2.6661E-05	.011	.011	2.801E-09	11.33	.82	.53	.007
59	30.00	7.25	14.87	7.25	-7.62	5.62	-2.97	2.9776E-05	.012	.012	3.503E-08	11.34	.82	.53	.008
60	30.00	7.65	15.24	7.65	7.11	.27	10.03	2.3266E-04	.123	.092	2.786E-06	9.55	.70	.53	.333
61	30.00	7.65	15.24	7.65	7.30	1.17	10.17	1.4151E-04	.062	.046	7.014E-07	9.44	.73	.53	.158
62	30.00	7.64	15.24	7.64	7.13	2.34	9.38	2.5776E-05	.014	.010	3.420E-09	9.56	.76	.53	.037
63	30.00	7.65	15.24	7.65	7.13	3.71	10.04	1.3456E-05	.007	.005	3.347E-09	9.54	.76	.53	.013
54	30.00	7.26	14.98	7.26	-7.62	.31	-2.97	2.5796E-03	1.090	1.059	2.837E-04	11.34	.82	.53	.732
55	30.00	7.30	14.98	7.30	-7.62	1.11	-2.95	3.3146E-04	.147	.143	5.162E-05	11.34	.82	.50	.099
56	30.00	7.26	14.87	7.26	-7.62	2.32	-2.97	6.7616E-05	.028	.027	1.807E-07	11.34	.82	.50	.016
57	30.00	7.26	14.84	7.26	-7.62	4.70	-2.97	3.0196E-05	.012	.012	3.604E-08	11.34	.82	.53	.004
58	30.00	7.24	14.84	7.24	-7.62	4.97	-2.98	2.6661E-05	.011	.011	2.801E-09	11.33	.82	.53	.007
59	30.00	7.25	14.87	7.25	-7.62	5.62	-2.97	2.9776E-05	.012	.012	3.503E-08	11.34	.82	.53	.008
60	30.00	7.65	15.24	7.65	7.11	.27	10.03	2.3266E-04	.123	.092	2.786E-06	9.55	.70	.53	.333
61	30.00	7.65	15.24	7.65	7.30	1.17	10.17	1.4151E-04	.062	.046	7.014E-07	9.44	.73	.53	.158
62	30.00	7.64	15.24	7.64	7.13	2.34	9.38	2.5776E-05	.014	.010	3.420E-09	9.56	.76	.53	.037
63	30.00	7.65	15.24	7.65	7.13	3.71	10.04	1.3456E-05	.007	.005	3.347E-09	9.54	.76	.53	.013
54	30.00	7.26	14.98	7.26	-7.62	.31	-2.97	2.5796E-03	1.090	1.059	2.837E-04	11.34	.82	.53	.732
55	30.00	7.30	14.98	7.30	-7.62	1.11	-2.95	3.3146E-04	.147	.143	5.162E-05	11.34	.82	.50	.099
56	30.00	7.26	14.87	7.26	-7.62	2.32	-2.97	6.7616E-05	.028	.027	1.807E-07	11.34	.82	.50	.016
57	30.00	7.26	14.84	7.26	-7.62	4.70	-2.97	3.0196E-05	.012	.012	3.604E-08	11.34	.82	.53	.004
58	30.00	7.24	14.84	7.24	-7.62	4.97	-2.98	2.6661E-05	.011	.011	2.801E-09	11.33	.82	.53	.007
59	30.00	7.25	14.87	7.25	-7.62	5.62	-2.97	2.9776E-05	.012	.012	3.503E-08	11.34	.82	.53	.008
60	30.00	7.65	15.24	7.65	7.11	.27	10.03	2.3266E-04	.123	.092	2.786E-06	9.55	.70	.53	.333
61	30.00	7.65	15.24	7.65	7.30	1.17	10.17	1.4151E-04	.062	.046	7.014E-07	9.44	.73	.53	.158
62	30.00	7.64	15.24	7.64	7.13	2.34	9.38	2.5776E-05	.014	.010	3.420E-09	9.56	.76	.53	.037
63	30.00	7.65	15.24	7.65	7.13	3.71	10.04	1.3456E-05	.007	.005	3.347E-09	9.54	.76	.53	.013

CENT TEST (92), MDAC-E RSI GAPS, -73 PAGE 161

MACH = 10.291
RX E06 = 5.907E-01
RL E06 = 8.406E-02
PE/METER = 3.310E+06
HC = 2.554E+00 (N/M2- K)
TW = 301.9 (K)
STEP = .254(CM)

9.953E+02(K)
5.173E+06(N/M2)
4.685E+01(K)
0.984E+02(N/M2)
1.034E+01(KG/M2-S)
.711 (CM)
=STAG

RAM/TT =0.09E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

LE . JORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	HSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	13.39	7.62	0.00	7.62	5.78	0.00	1.806E-05	.007	.007	1.245E-08	11.56	.83	.50	.013
10	90.0	12.72	7.62	0.00	7.62	5.03	0.00	1.822E-05	.007	.007	1.275E-08	11.56	.83	.50	.013
11	90.0	11.34	7.62	0.00	7.62	3.74	0.00	1.955E-05	.008	.008	1.483E-08	11.56	.83	.50	.014
12	90.0	10.05	7.62	0.00	7.62	2.36	0.00	2.770E-05	.011	.011	2.946E-08	11.56	.83	.50	.019
13	90.0	8.83	7.62	0.00	7.62	1.14	0.00	5.587E-05	.022	.022	1.199E-07	11.56	.83	.50	.039
14	90.0	8.02	7.62	0.00	7.62	.33	0.00	2.185E-04	.086	.086	1.834E-06	11.56	.83	.50	.152
15	90.0	7.29	7.62	0.00	7.29	0.00	0.00	1.433E-03	.566	.566	7.890E-05	11.56	.83	.50	
16	90.0	3.63	7.62	0.00	3.63	0.00	0.00	2.969E-03	1.173	1.173	3.385E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.071E-03	1.213	1.213	3.621E-04	11.56	.83	.50	
18	90.0	-3.54	7.62	0.00	-3.54	0.00	0.00	3.134E-03	1.238	1.238	3.771E-04	11.56	.83	.50	
19	90.0	-7.27	7.62	0.00	-7.27	0.00	0.00	3.470E-03	1.371	1.371	4.625E-04	11.56	.83	.50	
20	90.0	-7.97	7.62	0.00	-7.62	.41	0.00	4.906E-07	.000	.000	9.244E-12	11.56	.83	.50	.000
21	90.0	-8.72	7.62	0.00	-7.62	1.17	0.00	5.495E-04	.217	.217	1.159E-05	11.56	.83	.50	.158
22	90.0	-9.94	7.62	0.00	-7.62	2.39	0.00	2.426E-04	.096	.096	2.261E-06	11.56	.83	.50	.078
23	90.0	-11.25	7.62	0.00	-7.62	3.70	0.00	1.246E-04	.049	.049	5.958E-07	11.56	.83	.50	.036
24	90.0	-12.62	7.62	0.00	-7.62	5.07	0.00	6.597E-05	.026	.026	1.722E-07	11.56	.83	.50	.019
25	90.0	-13.29	7.62	0.00	-7.62	5.73	0.00	2.811E-05	.011	.011	3.035E-08	11.56	.83	.50	.008
26	90.0	13.35	3.86	-3.76	7.62	5.70	-3.76	1.890E-05	.008	.007	1.436E-08	11.21	.81	.50	.012
27	90.0	12.63	3.82	-3.80	7.62	5.04	-3.80	2.376E-05	.010	.009	2.271E-08	11.21	.81	.50	.015
28	90.0	11.36	3.86	-3.76	7.62	3.72	-3.76	4.746E-05	.020	.019	9.054E-08	11.21	.81	.50	.029
29	90.0	10.09	3.81	-3.81	7.62	2.44	-3.81	5.501E-05	.024	.023	1.355E-07	11.20	.81	.50	.035
30	90.0	8.80	3.79	-3.83	7.62	1.16	-3.83	2.669E-04	.086	.082	1.724E-06	11.20	.81	.50	.127
31	90.0	7.97	3.75	-3.87	7.62	.33	-3.87	4.985E-04	.207	.197	1.003E-05	11.20	.81	.50	.305
32	90.0	7.24	3.83	-3.79	7.24	0.00	-3.79	1.537E-03	.678	.647	1.078E-04	11.21	.81	.50	
33	90.0	3.71	3.70	-3.92	3.71	0.00	-3.92	2.822E-03	1.174	1.115	3.219E-04	11.19	.81	.50	
34	90.0	0.00	3.67	-3.95	0.00	0.00	-3.95	3.151E-03	1.317	1.249	4.046E-04	11.18	.81	.50	
35	90.0	-3.59	3.73	-3.89	-3.59	0.00	-3.89	3.845E-03	1.597	1.519	5.968E-04	11.19	.81	.50	
36															
37	90.0	-7.97	3.83	-3.79	-7.62	.37	-3.79	7.114E-03	2.945	2.811	2.036E-03	11.21	.81	.50	.846
38	90.0	-8.75	3.88	-3.74	-7.62	1.15	-3.74	1.871E-03	.774	.739	1.487E-04	11.22	.81	.50	.222
39	90.0	-9.95	3.82	-3.80	-7.62	2.35	-3.80	6.887E-04	.285	.272	1.909E-05	11.21	.81	.50	.082
40	90.0	-11.22	3.82	-3.80	-7.62	3.62	-3.80	3.516E-04	.146	.139	4.973E-06	11.21	.81	.50	.042
41	90.0	-12.64	3.95	-3.67	-7.62	5.04	-3.67	1.229E-04	.051	.049	6.062E-07	11.23	.81	.50	.015
42	90.0	-13.28	4.30	-3.62	-7.62	5.68	-3.62	3.517E-05	.015	.014	5.243E-08	11.24	.81	.50	.004
43	90.0	13.37	.27	-7.35	7.62	5.70	-7.35	9.230E-06	.004	.004	4.018E-09	10.33	.75	.50	.004
44	90.0	12.57	.29	-7.33	7.62	4.91	-7.33	1.892E-05	.009	.007	1.687E-08	10.33	.75	.50	.007
45	90.0	11.39	.30	-7.32	7.62	3.72	-7.32	4.561E-05	.022	.018	9.972E-08	10.34	.75	.50	.018
46	90.0	10.09	.26	-7.36	7.62	2.37	-7.36	1.067E-04	.052	.042	5.371E-07	10.33	.75	.50	.042

472

HEAT TEST (92), MDAC-E RSI GAPS, RUN (139) 1973 PAGE 162

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	90.0	8.92	.27	-7.35	7.62	1.16	-7.35	3.899E-04	.189	.154	7.171E-06	10.33	.75	.50	.153
48	90.0	7.99	.36	-7.26	7.62	.33	-7.26	1.297E-03	.627	.513	7.908E-05	10.36	.75	.50	.506
49	90.0	7.30	.35	-7.27	7.30	0.00	-7.27	2.552E-03	1.239	1.012	3.084E-04	10.35	.75	.50	
50	90.0	7.69	.29	-7.33	3.69	0.00	-7.33	3.864E-03	1.864	1.535	7.110E-04	10.33	.75	.50	
51	90.0	0.07	.22	-7.40	0.00	0.00	-7.40	3.718E-03	1.810	1.469	6.540E-04	10.31	.75	.50	
52	90.0	-3.59	.27	-7.35	-3.58	0.00	-7.35	3.799E-03	1.844	1.501	6.810E-04	10.33	.75	.50	
53															
54	90.0	-7.89	.36	-7.26	-7.62	.31	-7.26	6.016E-03	2.988	2.377	1.788E-03	10.36	.75	.50	.878
55	90.0	-8.69	.32	-7.30	-7.62	1.11	-7.30	1.776E-03	.860	.702	1.485E-04	10.34	.75	.50	.257
56	90.0	-9.96	.37	-7.25	-7.62	2.32	-7.25	4.588E-04	.218	.178	9.544E-06	10.36	.75	.50	.065
57	90.0	-11.25	.36	-7.26	-7.62	3.70	-7.26	3.821E-04	.146	.119	4.286E-06	10.36	.75	.50	.044
58	90.0	-12.55	.38	-7.24	-7.62	4.97	-7.24	1.001E-04	.048	.040	4.706E-07	10.36	.75	.50	.014
59	90.0	-13.20	.37	-7.25	-7.62	5.62	-7.25	5.696E-05	.028	.023	1.523E-07	10.36	.75	.50	.008
60	90.0	7.14	0.00	-7.62	7.14	.27	-7.62	1.945E-03	.957	.769	1.809E-04	10.24	.74	.50	.773
61	90.0	7.35	0.00	-7.62	7.35	1.17	-7.62	5.635E-04	.277	.223	1.518E-05	10.24	.74	.50	.224
62	90.0	7.13	0.00	-7.62	7.13	2.34	-7.62	7.846E-05	.039	.031	2.943E-07	10.24	.74	.50	.031
63	90.0	7.19	0.00	-7.62	7.19	3.71	-7.62	3.326E-05	.016	.013	5.289E-08	10.24	.74	.50	.013
64	90.0	7.14	0.00	-7.62	7.14	5.02	-7.62	2.034E-05	.010	.008	1.978E-08	10.24	.74	.50	.008
65	90.0	7.14	0.00	-7.62	7.14	5.63	-7.62	9.885E-06	.004	.004	3.877E-09	10.24	.74	.50	.004
66	90.0	3.44	0.00	-7.62	3.44	.36	-7.62	3.084E-03	1.517	1.219	4.547E-04	10.24	.74	.50	.805
67	90.0	3.44	0.00	-7.62	3.44	1.19	-7.62	6.558E-04	.328	.263	2.119E-05	10.24	.74	.50	.174
68	90.0	3.45	0.00	-7.62	3.45	2.44	-7.62	4.875E-05	.024	.019	1.136E-07	10.24	.74	.50	.013
69	90.0	3.50	0.00	-7.62	3.50	3.74	-7.62	2.422E-05	.012	.010	2.805E-08	10.24	.74	.50	.006
70	90.0	3.46	0.00	-7.62	3.46	5.04	-7.62	1.371E-05	.007	.005	8.985E-09	10.24	.74	.50	.004
71	90.0	3.40	0.00	-7.62	3.40	5.91	-7.62	1.505E-05	.007	.006	1.083E-08	10.24	.74	.50	.004
72	90.0	0.00	0.00	-7.62	0.00	.38	-7.62	5.566E-06	.003	.002	1.481E-09	10.24	.74	.50	.002
73	90.0	0.00	0.00	-7.62	0.00	1.15	-7.62	5.076E-04	.250	.201	1.252E-05	10.24	.74	.50	.138
74	90.0	0.00	0.00	-7.62	0.00	2.37	-7.62	2.517E-05	.012	.010	3.028E-08	10.24	.74	.50	.007
75	90.0	0.00	0.00	-7.62	0.00	3.70	-7.62	4.222E-05	.021	.017	8.524E-08	10.24	.74	.50	.011
76	90.0	0.00	0.00	-7.62	0.00	4.99	-7.62	2.583E-05	.013	.010	3.189E-08	10.24	.74	.50	.007
77	90.0	0.00	0.00	-7.62	0.00	5.74	-7.62	2.789E-05	.014	.011	3.718E-08	10.24	.74	.50	.008
78	90.0	-3.59	0.00	-7.62	-3.59	.38	-7.62	2.729E-03	1.342	1.078	3.560E-04	10.24	.74	.50	.728
79	90.0	-3.63	0.00	-7.62	-3.63	1.17	-7.62	4.530E-04	.223	.179	9.809E-06	10.24	.74	.50	.121
80	90.0	-3.64	0.00	-7.62	-3.64	2.42	-7.62	4.028E-05	.020	.016	7.757E-08	10.24	.74	.50	.011
81	90.0	-3.65	0.00	-7.62	-3.65	3.76	-7.62	3.741E-05	.018	.015	6.691E-08	10.24	.74	.50	.010
82	90.0	-3.59	0.00	-7.62	-3.58	5.08	-7.62	3.448E-05	.017	.014	5.683E-08	10.24	.74	.50	.009
83	90.0	-3.62	0.00	-7.62	-3.62	5.79	-7.62	2.066E-05	.010	.008	1.924E-08	10.24	.74	.50	.005
84	90.0	-7.33	0.00	-7.62	-7.33	.31	-7.62	5.115E-03	2.516	2.021	1.251E-03	10.24	.74	.50	.753
85	90.0	-7.36	0.00	-7.62	-7.36	1.09	-7.62	1.096E-03	.539	.433	5.743E-05	10.24	.74	.50	.161
86	90.0	-7.36	0.00	-7.62	-7.36	2.36	-7.62	2.366E-04	.146	.117	4.285E-06	10.24	.74	.50	.044
87	90.0	-7.33	0.00	-7.62	-7.33	3.74	-7.62	2.511E-04	.124	.099	3.014E-06	10.24	.74	.50	.037
88	90.0	-7.33	0.00	-7.62	-7.33	5.03	-7.62	1.012E-04	.050	.040	4.898E-07	10.24	.74	.50	.015
89	90.0	-7.35	0.00	-7.62	-7.35	5.66	-7.62	4.974E-05	.024	.020	1.183E-07	10.24	.74	.50	.007

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

OFHT TEST (92), MDAC-E RSI GAPS, RUN (139) 1973 PAGE 163

MACH = 10.290 TT = 9.958E+02(K)
RX EDG = 5.968E-01 PI = 5.179E+06(N/M2)
RL EDG = 8.407E-02 T1 = 4.688E+01(K)
RE/METER = 3.313E+06 P1 = 0.985E+02(N/M2)
HC = 2.554E+08(N/M2-K) (RHO V)1 = 1.035E+01(KG/M2-S)
TW = 366.8 (K) GAP = .711 (CM)
STEP = .254(CM) CONF =STAG

TAN TT =0.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COCR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	82.5	13.37	7.62	0.00	7.62	5.70	.99	3.594E-05	.014	.014	4.996E-08	11.55	.83	.50	.025
10	82.5	12.72	7.62	0.00	7.62	5.03	.99	4.325E-05	.020	.019	9.388E-08	11.55	.83	.50	.035
11	82.5	11.34	7.62	0.00	7.62	3.74	.99	4.561E-05	.018	.018	8.047E-08	11.55	.83	.50	.032
12	82.5	10.05	7.62	0.00	7.62	2.36	.99	3.372E-05	.013	.013	4.396E-08	11.55	.83	.50	.024
13	82.5	8.83	7.62	0.00	7.62	1.14	.99	1.096E-04	.044	.043	4.648E-07	11.55	.83	.50	.078
14	82.5	8.02	7.62	0.00	7.62	.33	.99	2.945E-04	.117	.116	3.354E-06	11.55	.83	.50	.209
15	82.5	7.29	7.62	0.00	7.29	0.00	.95	1.412E-03	.562	.558	7.705E-05	11.55	.83	.50	
16	82.5	3.63	7.62	0.00	3.63	0.00	.47	3.030E-03	1.202	1.197	3.537E-04	11.56	.83	.50	
17	82.5	0.00	7.62	0.00	0.00	0.00	0.00	3.329E-03	1.316	1.316	4.254E-04	11.56	.83	.50	
18	82.5	-3.54	7.62	0.00	-3.54	0.00	-.46	3.553E-03	1.449	1.444	5.140E-04	11.55	.83	.50	
19	82.5	-7.27	7.62	0.00	-7.27	0.00	-.95	5.198E-03	2.069	2.054	1.044E-03	11.53	.83	.50	
20	82.5	-7.47	7.62	0.00	-7.62	.41	-.99	2.358E-06	.001	.001	2.151E-10	11.52	.83	.50	.000
21	82.5	-9.72	7.62	0.00	-7.62	1.17	-.99	8.296E-04	.330	.328	2.661E-05	11.52	.83	.50	.160
22	82.5	-9.94	7.62	0.00	-7.62	2.39	-.99	2.342E-04	.093	.093	2.120E-06	11.52	.83	.50	.045
23	82.5	-11.25	7.62	0.00	-7.62	3.70	-.99	1.598E-04	.068	.067	1.115E-06	11.52	.83	.50	.033
24	82.5	-12.62	7.62	0.00	-7.62	5.07	-.99	6.043E-05	.024	.024	1.412E-07	11.52	.83	.50	.012
25	82.5	-13.29	7.62	0.00	-7.62	5.73	-.99	4.869E-05	.019	.019	8.944E-08	11.52	.83	.50	.009
26	82.5	13.35	3.86	-3.76	7.62	5.70	-2.74	9.737E-06	.004	.004	3.727E-09	11.37	.82	.50	.005
27	82.5	12.68	3.92	-3.80	7.62	5.04	-2.78	2.655E-05	.011	.011	2.793E-09	11.36	.82	.50	.014
28	82.5	11.36	3.86	-3.76	7.62	3.72	-2.73	2.970E-05	.012	.012	3.466E-08	11.37	.82	.50	.016
29	82.5	10.09	3.81	-3.81	7.62	2.44	-2.79	8.954E-05	.036	.035	3.155E-07	11.36	.82	.50	.047
30	82.5	8.83	3.79	-3.83	7.62	1.16	-2.80	4.092E-04	.166	.162	6.592E-06	11.36	.82	.50	.214
31	82.5	7.97	3.75	-3.87	7.62	.33	-2.84	7.903E-04	.321	.312	2.461E-05	11.35	.82	.50	.415
32	82.5	7.24	3.83	-3.79	7.24	0.00	-2.81	1.967E-03	.773	.754	1.432E-04	11.36	.82	.50	
33	82.5	3.71	3.71	-3.92	3.71	0.00	-3.40	3.034E-03	1.246	1.199	3.669E-04	11.27	.81	.50	
34	82.5	0.00	3.67	-3.95	0.00	0.00	-3.92	3.226E-03	1.342	1.275	4.203E-04	11.19	.81	.50	
35	82.5	-3.59	3.73	-3.89	-3.59	0.00	-4.32	3.777E-03	1.597	1.492	5.858E-04	11.11	.80	.50	
36															
37	82.5	-7.37	3.86	-3.79	-7.62	.37	-4.75	6.577E-03	2.873	2.638	1.863E-03	11.02	.80	.50	.844
38	82.5	-9.75	3.89	-3.74	-7.62	1.15	-4.70	1.726E-03	.739	.680	1.233E-04	11.03	.80	.50	.217
39	82.5	-9.95	3.82	-3.80	-7.62	2.35	-4.76	6.382E-04	.275	.252	1.782E-05	11.02	.80	.50	.081
40	82.5	-11.22	3.92	-3.80	-7.62	3.62	-4.76	3.315E-04	.143	.131	4.593E-06	11.02	.80	.50	.042
41	82.5	-12.54	3.95	-3.67	-7.62	5.04	-4.63	1.029E-04	.044	.041	4.399E-07	11.05	.80	.50	.013
42	82.5	-13.28	4.06	-3.62	-7.62	5.68	-4.58	3.432E-05	.015	.014	4.888E-08	11.06	.80	.50	.004
43	82.5	13.37	.27	-7.35	7.62	5.70	-6.29	1.271E-05	.006	.005	7.223E-09	10.65	.77	.50	.003
44	82.5	12.57	.29	-7.33	7.62	4.91	-6.27	4.040E-05	.019	.016	7.319E-08	10.65	.77	.50	.010
45	82.5	11.39	.30	-7.32	7.62	3.72	-6.26	3.765E-05	.017	.015	6.328E-08	10.65	.77	.50	.010
46	82.5	10.03	.26	-7.36	7.62	2.37	-6.30	1.711E-04	.079	.068	1.389E-06	10.64	.77	.50	.044

474

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (92), MDAC-E PST GAPS, RUN (139) 1973 PAGE 164

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	82.5	8.42	.27	-7.35	7.62	1.16	-6.29	5.461E-04	.251	.216	1.333E-05	10.65	.77	.50	.141
48	82.5	7.99	.36	-7.26	7.62	.33	-6.21	2.078E-03	.953	.821	1.922E-04	10.67	.77	.50	.533
49	82.5	7.30	.36	-7.27	7.30	0.00	-6.25	3.892E-03	1.788	1.538	6.759E-04	10.66	.77	.50	
50	82.5	3.69	.29	-7.33	3.69	0.00	-6.78	5.465E-03	2.579	2.160	1.369E-03	10.50	.76	.50	
51	82.5	0.00	.22	-7.40	0.00	0.00	-7.34	4.738E-03	2.299	1.872	1.058E-03	10.33	.75	.50	
52	82.5	-3.54	.27	-7.35	-3.58	0.00	-7.76	4.359E-03	2.162	1.722	9.151E-04	10.19	.74	.50	
53															
54	82.5	-7.89	.36	-7.26	-7.62	.31	-8.19	5.359E-03	2.727	2.117	1.419E-03	10.04	.73	.50	.859
55	82.5	-8.69	.32	-7.30	-7.62	1.11	-8.23	1.409E-03	.719	.557	9.835E-05	10.03	.73	.50	.226
56	82.5	-9.90	.37	-7.25	-7.62	2.32	-8.19	3.331E-04	.169	.132	5.480E-06	10.04	.73	.50	.053
57	82.5	-11.29	.36	-7.26	-7.62	3.70	-8.19	2.173E-04	.111	.086	2.334E-06	10.04	.73	.50	.035
58	82.5	-12.55	.34	-7.24	-7.62	4.97	-8.18	8.614E-05	.044	.034	3.663E-07	10.05	.73	.50	.014
59	82.5	-13.24	.37	-7.25	-7.62	5.62	-8.18	4.451E-05	.023	.018	9.784E-08	10.04	.73	.50	.007
60	82.5	7.14	0.00	-7.62	7.14	.27	-6.62	3.879E-03	1.441	1.216	4.308E-04	10.55	.76	.50	.806
61	82.5	7.35	0.00	-7.62	7.35	1.17	-6.60	9.131E-04	.427	.361	3.784E-05	10.56	.77	.50	.239
62	82.5	7.13	0.00	-7.62	7.13	2.34	-6.62	1.203E-04	.056	.048	6.583E-07	10.55	.76	.50	.031
63	82.5	7.19	0.00	-7.62	7.19	3.71	-6.62	4.628E-05	.022	.018	9.733E-08	10.55	.76	.50	.012
64	82.5	7.14	0.00	-7.62	7.14	5.02	-6.62	2.377E-05	.012	.010	3.020E-08	10.55	.76	.50	.007
65	82.5	7.14	0.00	-7.62	7.14	5.63	-6.62	1.527E-05	.008	.006	1.204E-08	10.55	.76	.50	.004
66	82.5	3.44	0.00	-7.62	3.44	.36	-7.11	4.554E-03	2.184	1.709	9.659E-04	10.40	.76	.50	.847
67	82.5	3.44	0.00	-7.62	3.44	1.19	-7.11	9.846E-04	.472	.369	4.515E-05	10.40	.76	.50	.163
68	82.5	3.45	0.00	-7.62	3.45	2.44	-7.10	6.722E-05	.032	.027	2.104E-07	10.40	.76	.50	.012
69	82.5	3.50	0.00	-7.62	3.50	3.74	-7.10	3.720E-05	.018	.015	6.443E-08	10.41	.76	.50	.007
70	82.5	3.46	0.00	-7.62	3.46	5.04	-7.10	2.062E-05	.010	.008	1.979E-08	10.41	.76	.50	.004
71	82.5	3.40	0.00	-7.62	3.40	5.81	-7.11	1.652E-05	.008	.007	1.271E-08	10.40	.76	.50	.003
72															
73	82.5	0.00	0.00	-7.62	0.00	1.15	-7.55	6.784E-04	.333	.268	2.192E-05	10.26	.75	.50	.145
74	82.5	0.01	0.00	-7.62	0.00	2.37	-7.55	3.491E-05	.017	.014	5.805E-08	10.26	.75	.50	.007
75	82.5	0.00	0.00	-7.62	0.00	3.70	-7.55	3.101E-05	.015	.012	4.580E-08	10.26	.75	.50	.007
76	82.5	0.00	0.00	-7.62	0.00	4.99	-7.55	1.243E-05	.006	.005	7.354E-09	10.26	.75	.50	.003
77	82.5	0.01	0.00	-7.62	0.00	5.74	-7.55	2.378E-05	.012	.009	2.693E-08	10.26	.75	.50	.005
78	82.5	-3.59	0.00	-7.62	-3.59	.38	-8.02	3.368E-03	1.667	1.307	5.354E-04	10.10	.74	.50	.771
79	82.5	-3.63	0.00	-7.62	-3.63	1.17	-8.03	5.642E-04	.284	.223	1.558E-05	10.10	.74	.50	.132
80	82.5	-3.60	0.00	-7.62	-3.60	2.42	-8.02	2.591E-05	.014	.011	3.543E-08	10.10	.74	.50	.006
81	82.5	-3.55	0.00	-7.62	-3.55	3.76	-8.02	2.908E-05	.015	.011	4.137E-08	10.10	.74	.50	.007
82	82.5	-3.58	0.00	-7.62	-3.58	5.08	-8.02	1.370E-05	.010	.008	1.899E-08	10.10	.74	.50	.005
83	82.5	-3.62	0.00	-7.62	-3.62	5.79	-8.03	1.779E-05	.009	.007	1.549E-08	10.10	.74	.50	.004
84	82.5	-7.33	0.00	-7.62	-7.33	.31	-8.51	4.657E-03	2.413	1.840	1.091E-03	9.92	.72	.50	.760
85	82.5	-7.35	0.00	-7.62	-7.36	1.09	-8.52	8.555E-04	.443	.338	3.683E-05	9.92	.72	.50	.140
86	82.5	-7.35	0.00	-7.62	-7.36	2.36	-8.52	2.072E-04	.107	.082	2.169E-06	9.92	.72	.50	.034
87	82.5	-7.37	0.00	-7.62	-7.33	3.74	-8.51	1.838E-04	.095	.073	1.700E-06	9.92	.72	.50	.030
88	82.5	-7.33	0.00	-7.62	-7.33	5.03	-8.51	6.968E-05	.036	.028	2.443E-07	9.92	.72	.50	.011
89	82.5	-7.35	0.00	-7.62	-7.35	5.65	-8.51	3.852E-05	.020	.015	7.505E-08	9.92	.72	.50	.006

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PENT TEST (32), M7AC-E PSI GAPS, RUN (141) 1973

MACH = 12.290
RX E06 = 5.900E-01
RL E06 = 8.395E-02
REYNETFR = 3.305E+05
HC = 2.554E+03(W/M2- K)
TW = 300.3 (K)
STEP = .254(CM)

TT = 9.953E+02(K)
PI = 5.176 E+06(N/M2)
T1 = 4.690E+01(K)
P1 = 0.984 E+02(N/M2)
(RHO V)1 = 1.034E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 TO 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	13.39	7.62	0.00	7.62	5.78	1.97	3.179E-05	.813	.813	3.942E-08	11.50	.83	.50	.822
10	75.0	12.72	7.62	0.00	7.62	5.03	1.97	3.323E-05	.813	.813	4.306E-08	11.50	.83	.50	.823
11	75.0	11.34	7.62	0.00	7.62	3.74	1.97	8.567E-05	.826	.826	1.682E-07	11.50	.83	.50	.846
12	75.0	10.05	7.62	0.00	7.62	2.36	1.97	5.962E-05	.824	.823	1.359E-07	11.50	.83	.50	.842
13	75.0	8.93	7.62	0.00	7.62	1.14	1.97	1.494E-04	.868	.859	8.709E-07	11.50	.83	.50	.105
14	75.0	8.02	7.62	0.00	7.62	.33	1.97	3.707E-04	.149	.148	5.359E-06	11.50	.83	.50	.261
15	75.0	7.29	7.62	0.00	7.29	0.00	1.89	1.423E-03	.571	.562	7.893E-05	11.50	.83	.50	
16	75.0	3.63	7.62	0.00	3.63	0.00	.94	2.936E-03	1.169	1.160	3.334E-04	11.55	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.295E-03	1.302	1.302	4.170E-04	11.56	.83	.50	
18	75.0	-3.54	7.62	0.00	-3.54	0.00	-.92	3.858E-03	1.536	1.525	5.759E-04	11.53	.83	.50	
19	75.0	-7.27	7.62	0.00	-7.27	0.00	-1.88	7.357E-03	2.950	2.907	2.110E-03	11.46	.82	.50	
20	75.0	-7.97	7.62	0.00	-7.62	.41	-1.97	2.008E-06	.001	.001	1.573E-10	11.45	.82	.50	.008
21	75.0	-8.72	7.62	0.00	-7.62	1.17	-1.97	1.566E-03	.629	.619	9.569E-05	11.45	.82	.50	.213
22	75.0	-9.94	7.62	0.00	-7.62	2.39	-1.97	3.203E-04	.129	.127	4.802E-06	11.45	.82	.50	.044
23	75.0	-11.25	7.62	0.00	-7.62	3.70	-1.97	2.211E-04	.089	.087	1.906E-06	11.45	.82	.50	.030
24	75.0	-12.62	7.62	0.00	-7.62	5.07	-1.97	7.306E-05	.029	.029	2.082E-07	11.45	.82	.50	.010
25	75.0	-13.29	7.62	0.00	-7.62	5.73	-1.97	3.869E-05	.016	.015	5.837E-08	11.45	.82	.50	.005
26	75.0	13.35	3.86	-3.76	7.62	5.70	-1.66	1.352E-05	.005	.005	7.110E-09	11.48	.83	.50	.886
27	75.0	12.63	3.82	-3.80	7.62	5.04	-1.70	4.239E-05	.017	.017	6.994E-08	11.48	.83	.50	.019
28	75.0	11.75	3.86	-3.76	7.62	3.72	-1.66	5.222E-05	.021	.021	1.061E-07	11.48	.83	.50	.023
29	75.0	10.08	3.91	-3.91	7.62	2.44	-1.71	1.875E-04	.075	.074	1.369E-06	11.48	.83	.50	.884
30	75.0	8.90	3.79	-3.83	7.62	1.16	-1.73	6.991E-04	.280	.276	1.897E-05	11.47	.82	.50	.311
31	75.0	7.97	3.75	-3.97	7.62	.33	-1.76	1.122E-03	.449	.443	4.899E-05	11.47	.82	.50	.500
32	75.0	7.24	3.83	-3.79	7.24	0.00	-1.79	2.241E-03	.898	.886	1.957E-04	11.47	.82	.50	
33	75.0	3.71	3.75	-3.92	3.71	0.00	-2.83	3.156E-03	1.281	1.249	3.935E-04	11.35	.82	.50	
34	75.0	0.01	3.67	-3.95	0.00	0.00	-3.82	3.187E-03	1.320	1.259	4.089E-04	11.20	.81	.50	
35	75.0	-3.53	3.73	-3.99	-3.59	0.00	-4.69	3.548E-03	1.522	1.402	5.249E-04	11.04	.80	.50	
36															
37	75.0	-7.97	3.83	-3.79	-7.62	.37	-5.63	6.143E-03	2.746	2.427	1.689E-03	10.82	.78	.50	.844
38	75.0	-8.75	3.88	-3.74	-7.62	1.15	-5.59	1.576E-03	.703	.623	1.077E-04	10.83	.78	.50	.216
39	75.0	-9.95	3.82	-3.80	-7.62	2.35	-5.64	6.024E-04	.269	.238	1.577E-05	10.82	.78	.50	.083
40	75.0	-11.22	3.82	-3.80	-7.62	3.62	-5.64	3.141E-04	.140	.124	4.288E-06	10.82	.78	.50	.043
41	75.0	-12.54	3.95	-3.67	-7.62	5.04	-5.51	1.167E-04	.052	.046	5.885E-07	10.85	.78	.50	.016
42	75.0	-13.29	4.00	-3.62	-7.62	5.68	-5.47	4.597E-05	.020	.018	9.113E-08	10.86	.78	.50	.006
43	75.0	13.37	.27	-7.35	7.62	5.70	-5.12	1.154E-05	.005	.005	5.654E-09	10.94	.79	.50	.002
44	75.0	12.67	.29	-7.33	7.62	4.91	-5.10	2.587E-05	.011	.010	2.665E-08	10.95	.79	.50	.005
45	75.0	11.33	.30	-7.32	7.62	3.72	-5.09	5.365E-05	.023	.021	1.220E-07	10.95	.79	.50	.010
46	75.0	10.33	.25	-7.36	7.62	2.37	-5.13	2.242E-04	.098	.089	2.134E-06	10.94	.79	.50	.043

476

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	75.0	8.07	.27	-7.35	7.62	1.16	-5.12	7.733E-04	.338	.306	2.538E-05	10.94	.79	.50	.150
48	75.0	7.99	.36	-7.26	7.62	.33	-5.04	2.855E-03	1.243	1.128	3.448E-04	10.96	.79	.50	.551
49	75.0	7.30	.35	-7.27	7.30	0.00	-5.13	5.162E-03	2.255	2.040	1.131E-03	10.34	.79	.50	
50															
51	75.0	0.00	.22	-7.40	0.00	0.00	-7.15	5.342E-03	2.568	2.111	1.333E-03	10.39	.75	.50	
52	75.0	-3.59	.27	-7.35	-3.58	0.00	-8.03	4.599E-03	2.368	1.857	1.081E-03	10.10	.74	.50	
53															
54	75.0	-7.89	.36	-7.26	-7.62	.31	-8.99	4.722E-03	2.513	1.866	1.153E-03	9.74	.71	.50	.836
55	75.0	-8.69	.32	-7.30	-7.62	1.11	-9.02	1.688E-03	.588	.430	6.138E-05	9.73	.71	.50	.193
56	75.0	-9.90	.37	-7.25	-7.62	2.32	-8.98	2.058E-04	.110	.082	2.210E-06	9.74	.71	.50	.037
57	75.0	-11.29	.36	-7.26	-7.62	3.70	-8.98	1.317E-04	.070	.052	8.970E-07	9.74	.71	.50	.023
58	75.0	-12.55	.38	-7.24	-7.62	4.97	-8.97	7.032E-05	.037	.028	2.555E-07	9.75	.71	.50	.012
59	75.0	-13.20	.37	-7.25	-7.62	5.62	-8.98	2.780E-05	.015	.011	3.994E-08	9.75	.71	.50	.005
60	75.0	7.14	0.00	-7.62	7.14	.27	-5.51	4.134E-03	1.838	1.634	7.386E-04	10.85	.78	.50	.815
61	75.0	7.35	0.00	-7.62	7.35	1.17	-5.46	1.306E-03	.579	.516	7.354E-05	10.86	.78	.50	.257
62	75.0	7.13	0.00	-7.62	7.13	2.34	-5.52	2.016E-04	.090	.080	1.756E-06	10.85	.78	.50	.040
63	75.0	7.19	0.00	-7.62	7.19	3.71	-5.50	6.714E-05	.030	.027	1.947E-07	10.85	.78	.50	.013
64	75.0	7.14	0.00	-7.62	7.14	5.02	-5.51	4.227E-05	.019	.017	7.721E-08	10.85	.78	.50	.008
65	75.0	7.14	0.00	-7.62	7.14	5.63	-5.51	1.256E-05	.006	.005	6.814E-09	10.85	.78	.50	.002
66	75.0	3.44	0.00	-7.62	3.44	.36	-6.47	5.733E-03	2.662	2.266	1.484E-03	10.60	.77	.50	.874
67	75.0	3.44	0.00	-7.62	3.44	1.19	-6.47	1.328E-03	.617	.525	7.960E-05	10.60	.77	.50	.283
68	75.0	3.45	0.00	-7.62	3.45	2.44	-6.47	1.421E-04	.066	.056	9.112E-07	10.60	.77	.50	.022
69	75.0	3.50	0.00	-7.62	3.50	3.74	-6.45	4.991E-05	.023	.020	1.123E-07	10.60	.77	.50	.008
70	75.0	3.46	0.00	-7.62	3.46	5.04	-6.46	1.816E-05	.008	.007	1.487E-08	10.60	.77	.50	.003
71	75.0	3.40	0.00	-7.62	3.40	5.81	-6.48	1.821E-05	.008	.007	1.497E-08	10.59	.77	.50	.003
72	75.0	0.00	0.00	-7.62	0.00	.38	-7.36	1.171E-06	.001	.000	6.474E-11	10.32	.75	.50	.000
73	75.0	0.00	0.00	-7.62	0.00	1.15	-7.36	8.588E-04	.417	.339	3.475E-05	10.32	.75	.50	.162
74	75.0	0.00	0.00	-7.62	0.00	2.37	-7.36	5.935E-05	.029	.023	1.663E-07	10.32	.75	.50	.011
75	75.0	0.00	0.00	-7.62	0.00	3.70	-7.36	2.960E-05	.014	.012	4.136E-08	10.32	.75	.50	.006
76	75.0	0.00	0.00	-7.62	0.00	4.99	-7.36	4.382E-05	.021	.017	9.065E-08	10.32	.75	.50	.008
77	75.0	0.00	0.00	-7.62	0.00	5.74	-7.36	1.683E-05	.008	.007	1.337E-08	10.32	.75	.50	.003
78	75.0	-3.59	0.00	-7.62	-3.59	.38	-8.29	3.501E-03	1.842	1.423	6.446E-04	10.00	.73	.50	.779
79	75.0	-3.63	0.00	-7.62	-3.63	1.17	-8.30	6.549E-04	.340	.263	2.199E-05	10.00	.73	.50	.144
80	75.0	-3.60	0.00	-7.62	-3.60	2.42	-8.29	3.224E-05	.016	.013	5.169E-08	10.00	.73	.50	.007
81	75.0	-3.55	0.00	-7.62	-3.55	3.76	-8.28	3.855E-05	.016	.012	4.638E-08	10.01	.73	.50	.007
82	75.0	-3.59	0.00	-7.62	-3.59	5.08	-8.29	4.958E-05	.025	.019	1.173E-07	10.01	.73	.50	.010
83	75.0	-3.62	0.00	-7.62	-3.62	5.79	-8.30	2.049E-05	.015	.011	4.039E-08	10.00	.73	.50	.006
84	75.0	-7.33	0.00	-7.62	-7.33	.31	-9.26	4.224E-03	2.281	1.669	9.366E-04	9.63	.71	.50	.759
85	75.0	-7.36	0.00	-7.62	-7.36	1.09	-9.26	6.675E-04	.361	.264	2.339E-05	9.63	.71	.50	.120
86	75.0	-7.36	0.00	-7.62	-7.36	2.36	-9.26	1.136E-04	.061	.045	6.776E-07	9.63	.71	.50	.020
87	75.0	-7.33	0.00	-7.62	-7.33	3.74	-9.26	1.218E-04	.066	.048	7.791E-07	9.63	.71	.50	.022
88	75.0	-7.33	0.00	-7.62	-7.33	5.03	-9.26	4.014E-05	.022	.016	8.457E-08	9.63	.71	.50	.007
89	75.0	-7.35	0.00	-7.62	-7.35	5.65	-9.26	2.692E-05	.015	.011	3.804E-08	9.63	.71	.50	.005

477

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

GEMT TEST (32), M7AC=F PSI GAPS, RUN (142) 1973

MACH = 13.290
PX E06 = 5.894E-01
PL E06 = 8.397E-02
RE/METER = 3.332E+06
H0 = 2.554E+CC (W/M2- K)
TW = 300.5 (K)
STEP = .254(CM)

TT = 9.969E+02(K)
PI = 5.177 E+06(N/M2)
T1 = 4.693E+01(K)
P1 = 0.984 E+02(N/M2)
(RHO V)1 = 1.034E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =1.00E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	13.38	7.62	5.00	7.62	5.70	3.81	1.076E-05	.004	.004	4.627E-09	11.29	.81	.50	.007
10	60.0	12.72	7.62	0.00	7.62	5.03	3.81	3.548E-05	.015	.014	5.030E-08	11.29	.81	.50	.023
11	60.0	11.34	7.62	3.00	7.62	3.74	3.81	4.907E-05	.020	.019	9.616E-08	11.29	.81	.50	.031
12	60.0	10.05	7.62	0.00	7.62	2.36	3.81	7.870E-05	.032	.031	2.475E-07	11.29	.81	.50	.050
13	60.0	8.83	7.62	0.00	7.62	1.14	3.81	1.895E-04	.078	.075	1.434E-06	11.29	.81	.50	.120
14	60.0	8.02	7.62	0.00	7.62	.33	3.81	5.211E-04	.214	.206	1.085E-05	11.29	.81	.50	.331
15	60.0	7.29	7.62	0.00	7.29	0.00	3.65	1.579E-03	.647	.624	9.930E-05	11.32	.82	.50	
16	60.0	3.63	7.62	0.00	3.63	0.00	1.82	2.951E-03	1.183	1.166	3.393E-04	11.51	.83	.50	
17	60.0	0.00	7.62	0.00	0.00	0.00	0.00	3.324E-03	1.313	1.313	4.243E-04	11.56	.83	.50	
18	60.0	-3.54	7.62	0.00	-3.54	0.00	-1.77	3.843E-03	1.540	1.519	5.752E-04	11.47	.82	.50	
19															
20	60.0	-7.62	7.62	0.00	-7.62	.41	-3.81	1.082E-05	.004	.004	4.715E-09	11.21	.81	.50	.001
21	60.0	-8.79	7.62	0.00	-7.62	1.17	-3.81	2.129E-03	.881	.841	1.824E-04	11.21	.81	.50	.259
22	60.0	-9.94	7.62	0.00	-7.62	2.39	-3.81	4.266E-04	.177	.169	7.325E-06	11.21	.81	.50	.052
23	60.0	-11.25	7.62	0.00	-7.62	3.70	-3.81	2.224E-04	.092	.088	1.991E-06	11.21	.81	.50	.027
24	60.0	-12.62	7.62	0.00	-7.62	5.07	-3.81	7.907E-05	.033	.031	2.517E-07	11.21	.81	.50	.010
25	60.0	-13.23	7.62	0.00	-7.62	5.73	-3.81	3.886E-05	.016	.015	6.078E-08	11.21	.81	.50	.005
26	60.0	13.35	3.86	-3.76	7.62	5.70	.55	1.251E-05	.005	.005	5.136E-09	11.56	.83	.50	.004
27	60.0	12.69	3.82	-3.80	7.62	5.04	.52	7.947E-06	.003	.003	2.436E-09	11.56	.83	.50	.003
28	60.0	11.36	3.96	-3.76	7.62	3.72	.55	8.199E-05	.033	.032	2.593E-07	11.56	.83	.50	.029
29	60.0	10.03	3.91	-3.81	7.62	2.44	.51	3.550E-04	.145	.144	5.137E-06	11.56	.83	.50	.128
30	60.0	8.81	3.79	-3.93	7.62	1.15	.49	9.151E-04	.363	.362	3.229E-05	11.56	.83	.50	.321
31	60.0	7.97	3.75	-3.97	7.62	.33	.46	1.623E-03	.643	.641	1.015E-04	11.56	.83	.50	.569
32	60.0	7.24	3.86	-3.79	7.24	0.00	.34	2.856E-03	1.131	1.128	3.141E-04	11.56	.83	.50	
33	60.0	3.71	3.70	-3.92	3.71	0.00	-1.54	3.492E-03	1.397	1.380	4.742E-04	11.49	.83	.50	
34	60.0	0.00	3.67	-3.95	0.00	0.00	-3.42	3.148E-03	1.293	1.244	3.956E-04	11.27	.81	.50	
35	60.0	-3.59	3.73	-3.89	-3.59	0.00	-5.16	3.274E-03	1.433	1.294	4.563E-04	10.93	.79	.50	
36															
37	60.0	-7.97	3.83	-3.79	-7.62	.37	-7.09	5.594E-03	2.729	2.250	1.511E-03	10.41	.76	.50	.846
38	60.0	-8.75	3.88	-3.74	-7.62	1.15	-7.05	1.523E-03	.728	.602	1.079E-04	10.42	.76	.50	.226
39	60.0	-9.95	3.82	-3.80	-7.62	2.35	-7.10	5.561E-04	.267	.220	1.442E-05	10.41	.76	.50	.083
40	60.0	-11.22	3.82	-3.80	-7.62	3.62	-7.10	2.575E-04	.123	.102	3.092E-06	10.41	.76	.50	.038
41	60.0	-12.64	3.95	-3.67	-7.62	5.04	-6.99	9.159E-05	.044	.036	3.888E-07	10.44	.76	.50	.014
42	60.0	-13.20	4.00	-3.62	-7.62	5.68	-6.94	2.914E-05	.014	.012	3.926E-08	10.45	.76	.50	.004
43															
44	60.0	14.57	.29	-7.33	7.62	4.91	-2.53	6.222E-05	.025	.025	1.517E-07	11.39	.82	.50	.008
45	60.0	11.33	.30	-7.32	7.62	3.72	-2.53	1.127E-04	.045	.045	4.980E-07	11.39	.82	.50	.015
46	60.0	10.03	.26	-7.36	7.62	2.37	-2.56	3.343E-04	.135	.132	4.381E-06	11.39	.82	.50	.046
47	60.0	8.82	.27	-7.35	7.62	1.16	-2.55	1.345E-03	.542	.531	7.086E-05	11.39	.82	.50	.183

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

...FENT TEST (92), MACH=8 PSI GAPS, RUN (142) 1973 PAGE 168

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	YF (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT: (KG/M2-S)	HT/HO	HT/HF	HSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
48	60.1	7.99	.35	-7.26	7.62	.33	-2.48	4.376E-03	1.763	1.729	7.500E-04	11.40	.82	.50	.596
49	60.0	7.31	.35	-7.27	7.30	0.00	-2.64	7.322E-03	2.958	2.893	2.105E-03	11.38	.82	.50	
50															
51	60.0	0.00	.22	-7.40	0.00	0.00	-6.41	6.081E-03	2.815	2.403	1.664E-03	10.61	.77	.50	
52	60.0	-3.59	.27	-7.35	-3.58	0.00	-8.16	4.707E-03	2.390	1.860	1.094E-03	10.05	.73	.50	
53	60.0	-7.24	.46	-7.16	-7.24	0.00	-9.82	4.789E-03	2.666	1.892	1.241E-03	9.40	.69	.50	
54	60.0	-7.89	.36	-7.26	-7.62	.31	-10.10	3.725E-03	2.103	1.472	7.616E-04	9.28	.68	.50	.789
55	60.0	-8.69	.32	-7.30	-7.62	1.11	-10.13	6.583E-04	.378	.264	2.456E-05	9.26	.68	.50	.142
56	60.0	-9.91	.37	-7.25	-7.62	2.32	-10.09	6.103E-05	.034	.024	2.044E-07	9.29	.68	.50	.013
57	60.0	-11.29	.36	-7.26	-7.62	3.70	-10.10	5.700E-05	.032	.023	1.783E-07	9.28	.68	.50	.012
58	60.0	-12.56	.38	-7.24	-7.62	4.97	-10.08	2.962E-05	.017	.012	4.811E-08	9.29	.68	.50	.006
59	60.0	-13.20	.37	-7.25	-7.62	5.62	-10.09	2.216E-05	.013	.009	2.694E-08	9.28	.68	.50	.005
60	60.0	7.14	0.00	-7.62	7.14	.27	-3.03	6.051E-03	2.469	2.395	1.455E-03	11.33	.82	.50	.835
61	60.0	7.35	0.00	-7.62	7.35	1.47	-2.93	1.979E-03	.804	.782	1.547E-04	11.34	.82	.50	.272
62	60.0	7.13	0.00	-7.62	7.13	2.34	-3.04	3.982E-04	.162	.157	6.278E-06	11.33	.82	50	.055
63	60.0	7.19	0.00	-7.62	7.19	3.71	-3.00	9.808E-05	.040	.039	3.906E-07	11.33	.82	50	.013
64	60.0	7.14	0.00	-7.62	7.14	5.02	-3.03	3.059E-05	.012	.012	3.729E-08	11.33	.82	.50	.004
65	60.0	7.14	0.00	-7.62	7.14	5.63	-3.03	1.998E-05	.008	.008	1.581E-08	11.33	.82	.50	.003
66															
67	60.0	3.44	0.00	-7.62	3.44	1.19	-4.88	1.766E-03	.764	.698	1.311E-04	11.00	.79	.50	.209
68	60.0	3.45	0.00	-7.62	3.45	2.44	-4.87	3.013E-04	.130	.119	3.814E-06	11.00	.79	.50	.036
69	60.0	3.50	0.00	-7.62	3.50	3.74	-4.85	8.362E-05	.036	.033	2.936E-07	11.00	.79	.50	.010
70	60.0	3.46	0.00	-7.62	3.46	5.04	-4.87	3.479E-05	.015	.014	5.085E-08	11.00	.79	.50	.004
71	60.0	3.40	0.00	-7.62	3.40	5.81	-4.90	2.878E-05	.012	.011	3.479E-08	10.99	.79	.50	.003
72															
73	60.0	0.00	0.00	-7.62	0.00	1.15	-6.60	1.073E-03	.502	.424	5.234E-05	10.56	.77	.50	.178
74	60.0	0.00	0.00	-7.62	0.00	2.37	-6.60	1.494E-04	.070	.059	1.014E-06	10.56	.77	.50	.025
75	60.0	0.00	0.00	-7.62	0.00	3.70	-6.60	4.023E-05	.019	.016	7.354E-08	10.56	.77	.50	.007
76	60.0	0.00	0.00	-7.62	0.00	4.99	-6.60	4.655E-05	.022	.018	9.869E-08	10.56	.77	.50	.008
77	60.0	0.00	0.00	-7.62	0.00	5.74	-6.60	2.336E-05	.011	.009	2.481E-08	10.56	.77	.50	.004
78	60.0	-3.59	0.00	-7.62	-3.59	.39	-8.39	3.616E-03	1.861	1.429	6.542E-04	9.97	.73	.50	.779
79	60.0	-3.63	0.00	-7.62	-3.63	1.17	-8.41	7.559E-04	.389	.299	2.962E-05	9.96	.73	.50	.163
80	60.0	-3.60	0.00	-7.62	-3.60	2.42	-8.40	5.755E-05	.030	.023	1.657E-07	9.96	.73	.50	.012
81	60.0	-3.55	0.00	-7.62	-3.55	3.76	-8.37	3.570E-05	.018	.014	6.369E-08	9.97	.73	.50	.008
82	60.0	-3.58	0.00	-7.62	-3.58	5.04	-8.39	1.106E-05	.006	.004	6.115E-09	9.97	.73	.50	.002
83	60.0	-3.60	0.00	-7.62	-7.62	5.79	-8.41	1.257E-05	.007	.005	8.039E-09	9.96	.73	.50	.003
84	60.0	-7.37	0.00	-7.62	-7.33	.31	-10.26	3.593E-03	2.047	1.420	7.149E-04	9.21	.68	.50	.769
85	60.0	-7.38	0.00	-7.62	-7.36	1.09	-10.28	4.590E-04	.262	.181	1.167E-05	9.20	.68	.50	.098
86	60.0	-7.36	0.00	-7.62	-7.36	2.36	-10.28	4.319E-05	.025	.017	1.034E-07	9.20	.68	.50	.009
87	60.0	-7.33	0.00	-7.62	-7.33	3.74	-10.26	3.582E-05	.021	.015	7.505E-08	9.21	.68	.50	.009
88	60.0	-7.33	0.00	-7.62	-7.33	5.03	-10.26	2.951E-05	.017	.012	4.853E-08	9.21	.68	.50	.006
89	60.0	-7.35	0.00	-7.62	-7.35	5.66	-10.27	3.259E-05	.019	.013	5.919E-08	9.20	.68	.50	.007

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 13.293
PX E06 = 5.899E-01
PL E06 = 6.391E-02
RE/METER = 3.303E+06
HO = 2.554E+08(M/M2- K)
TW = 366.2 (K)
STEP = .254(CM)

TT = 9.973E+02(K)
PI = 5.177 E+06(N/M2)
T1 = 4.695E+01(K)
P1 = 0.984 E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =1.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.3 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	13.39	7.62	0.00	7.62	5.78	5.39	2.356E-05	.010	.009	2.303E-08	11.00	.80	.50	.013
10	45.0	12.72	7.62	0.00	7.62	5.03	5.39	3.533E-05	.015	.014	5.188E-08	11.00	.80	.50	.020
11	45.0	11.34	7.62	0.00	7.62	3.74	5.39	4.047E-05	.017	.016	6.798E-08	11.00	.80	.50	.022
12	45.0	10.05	7.62	0.00	7.62	2.35	5.39	8.771E-05	.037	.035	3.193E-07	11.00	.80	.59	.049
13	45.0	8.83	7.62	0.00	7.62	1.14	5.39	1.486E-04	.063	.059	9.167E-07	11.00	.80	.50	.083
14	45.0	8.02	7.62	0.00	7.62	.33	5.39	6.568E-04	.280	.264	1.846E-05	11.00	.80	.50	.371
15	45.0	7.29	7.62	0.00	7.29	0.00	5.16	1.812E-03	.768	.716	1.354E-04	11.05	.88	.50	
16	45.0	3.63	7.62	0.00	3.63	0.00	2.57	2.989E-03	1.265	1.181	3.504E-04	11.45	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	3.389E-03	1.221	1.221	3.666E-04	11.56	.83	.50	
18	45.0	-3.54	7.62	0.00	-3.54	0.00	-2.51	3.585E-03	1.453	1.425	5.093E-04	11.40	.82	.50	
19															
20	45.0	-7.27	7.62	0.00	-7.62	.41	-5.39	1.346E-06	.001	.001	7.789E-11	10.88	.79	.50	.000
21	45.0	-8.72	7.62	0.00	-7.62	1.17	-5.39	1.959E-03	.870	.778	1.666E-04	10.98	.79	.50	.254
22	45.0	-9.94	7.62	0.00	-7.62	2.39	-5.39	3.867E-04	.172	.154	6.495E-06	10.88	.79	.50	.050
23	45.0	-11.25	7.62	0.00	-7.62	3.70	-5.39	1.531E-04	.072	.064	1.144E-06	10.88	.79	.50	.021
24	45.0	-12.62	7.62	0.00	-7.62	5.07	-5.39	7.241E-05	.032	.029	2.253E-07	10.88	.79	.50	.009
25	45.0	-13.28	7.62	0.00	-7.62	5.73	-5.39	4.261E-05	.019	.017	7.805E-08	10.88	.79	.50	.006
26	45.0	13.35	3.86	-3.76	7.62	5.70	2.73	2.359E-05	.010	.009	2.205E-08	11.43	.82	.50	.007
27	45.0	12.69	3.82	-3.80	7.62	5.04	2.70	3.053E-05	.012	.012	3.661E-08	11.43	.82	.50	.009
28	45.0	11.35	3.85	-3.76	7.62	3.72	2.73	1.217E-04	.049	.048	5.825E-07	11.43	.82	.50	.037
29	45.0	10.04	3.81	-3.81	7.62	2.44	2.69	2.842E-04	.115	.112	3.172E-06	11.43	.82	.50	.087
30	45.0	8.81	3.79	-3.83	7.62	1.16	2.68	5.776E-04	.233	.228	1.310E-05	11.44	.82	.50	.176
31	45.0	7.97	3.75	-3.87	7.62	.33	2.65	1.753E-03	.712	.697	1.220E-04	11.44	.82	.50	.537
32	45.0	7.24	3.83	-3.79	7.24	0.00	2.44	3.290E-03	1.325	1.308	4.239E-04	11.46	.82	.50	
33	45.0	3.71	3.79	-3.92	3.71	0.00	-.15	3.843E-03	1.521	1.519	5.682E-04	11.55	.83	.50	
34	45.0	0.00	3.67	-3.95	0.00	0.00	-2.79	3.338E-03	1.350	1.316	4.370E-04	11.36	.82	.50	
35	45.0	-3.59	3.73	-3.89	-3.59	0.00	-5.29	3.862E-03	1.347	1.218	4.011E-04	10.90	.79	.50	
36	45.0	-7.28	3.85	-3.74	-7.28	0.00	-7.79	6.035E-03	3.000	2.385	1.763E-03	10.18	.74	.50	
37	45.0	-7.97	3.83	-3.79	-7.62	.37	-8.07	5.841E-03	2.546	1.992	1.248E-03	10.08	.73	.50	.849
38	45.0	-8.75	3.89	-3.74	-7.62	1.15	-8.03	1.280E-03	.645	.506	8.030E-05	10.10	.74	.50	.215
39	45.0	-9.95	3.82	-3.98	-7.62	2.35	-8.08	3.047E-04	.154	.120	4.561E-06	10.08	.73	.50	.051
40	45.0	-11.22	3.82	-3.90	-7.62	3.62	-8.07	9.134E-05	.046	.036	4.099E-07	10.08	.73	.50	.015
41	45.0	-12.64	3.95	-3.67	-7.62	5.04	-7.98	2.252E-05	.011	.009	2.501E-08	10.11	.74	.50	.004
+2	45.0	-13.29	4.01	-3.62	-7.62	5.68	-7.95	1.438E-05	.007	.006	9.975E-09	10.13	.74	.50	.002
+3	45.0	13.37	.27	-7.35	7.62	5.70	.19	1.232E-05	.005	.005	5.843E-09	11.56	.83	.50	.001
44	45.0	12.67	.29	-7.33	7.62	4.91	.21	3.956E-05	.016	.016	6.024E-08	11.56	.83	.50	.005
+5	45.0	11.39	.31	-7.32	7.62	3.72	.22	1.753E-04	.069	.069	1.182E-06	11.56	.83	.50	.021
+6	45.0	10.13	.26	-7.36	7.62	2.37	.19	4.514E-04	.183	.182	8.191E-06	11.56	.83	.50	.055

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (82), MOAC-E RSI GAPS, RUN (143) 1973 PAGE 170

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	8.92	.27	-7.35	7.62	1.16	.19	1.906E-03	.715	.714	1.255E-04	11.56	.83	.50	.217
48	45.0	7.99	.36	-7.26	7.62	.33	.25	5.567E-03	2.204	2.200	1.193E-03	11.56	.83	.50	.669
49															
50															
51	45.0	0.00	.22	-7.40	0.00	0.00	-5.23	6.593E-03	2.894	2.605	1.855E-03	10.92	.79	.50	
52	45.0	-3.59	.27	-7.35	-3.58	0.00	-7.73	4.810E-03	2.382	1.901	1.114E-03	10.20	.74	.50	
53	45.0	-7.24	.46	-7.16	-7.24	0.00	-10.18	4.358E-03	2.472	1.722	1.947E-03	9.24	.68	.50	
54	45.0	-7.89	.36	-7.26	-7.62	.31	-10.52	3.273E-03	1.889	1.293	6.011E-04	9.09	.67	.50	.764
55	45.0	-8.69	.32	-7.30	-7.62	1.11	-10.55	5.174E-04	.299	.204	1.504E-05	9.08	.67	.50	.121
56	45.0	-8.91	.37	-7.25	-7.62	2.32	-10.52	3.302E-05	.019	.013	6.117E-08	9.09	.67	.50	.008
57	45.0	-11.29	.36	-7.26	-7.62	3.70	-10.52	4.158E-05	.024	.016	9.758E-08	9.09	.67	.50	.018
58	45.0	-12.55	.39	-7.24	-7.62	4.97	-10.51	2.352E-05	.014	.009	3.103E-08	9.09	.67	.50	.005
59	45.0	-13.20	.37	-7.25	-7.62	5.62	-10.52	2.213E-05	.013	.009	2.747E-08	9.09	.67	.50	.005
60	45.0	7.14	0.00	-7.62	7.14	.27	-.34	7.079E-03	2.805	2.797	1.931E-03	11.55	.83	.50	.850
61	45.0	7.35	0.00	-7.62	7.35	1.17	-.19	2.279E-03	.902	.901	1.999E-04	11.55	.83	.50	.273
62	45.0	7.13	0.00	-7.62	7.13	2.34	-.35	5.064E-04	.201	.200	9.879E-06	11.55	.83	.50	.061
63	45.0	7.19	0.00	-7.62	7.19	3.71	-.30	1.673E-04	.066	.066	1.078E-06	11.55	.83	.50	.020
64	45.0	7.14	0.00	-7.62	7.14	5.02	-.34	3.846E-05	.015	.015	5.700E-09	11.55	.83	.50	.005
65	45.0	7.14	0.00	-7.62	7.14	5.63	-.34	1.835E-05	.007	.007	1.297E-08	11.55	.83	.50	.002
66															
67	45.0	3.44	0.00	-7.62	3.44	1.19	-2.95	1.903E-03	.774	.752	1.432E-04	11.34	.82	.50	.205
68	45.0	3.45	0.00	-7.62	3.45	2.44	-2.95	4.333E-04	.176	.171	7.422E-06	11.34	.82	.50	.047
69	45.0	3.50	0.00	-7.62	3.50	3.74	-2.91	1.597E-04	.065	.063	1.007E-06	11.34	.82	.50	.017
70	45.0	3.46	0.00	-7.62	3.46	5.04	-2.94	3.741E-05	.015	.015	5.532E-08	11.34	.82	.50	.004
71	45.0	3.43	0.00	-7.62	3.40	5.81	-2.98	2.003E-05	.008	.008	1.588E-08	11.33	.82	.50	.002
72	45.0	0.00	0.00	-7.62	0.00	.38	-5.33	4.868E-07	.000	.000	1.019E-11	10.88	.79	.50	.000
73	45.0	0.00	0.00	-7.62	0.00	1.15	-5.39	1.238E-03	.547	.489	6.585E-05	10.88	.79	.50	.109
74	45.0	0.00	0.00	-7.62	0.00	2.37	-5.39	2.431E-04	.107	.096	2.540E-06	10.88	.79	.50	.037
75	45.0	0.00	0.00	-7.62	0.00	3.70	-5.39	6.951E-05	.031	.027	2.077E-07	10.88	.79	.50	.011
76	45.0	0.00	0.00	-7.62	0.00	4.99	-5.39	3.157E-05	.014	.013	4.311E-08	10.88	.79	.50	.005
77	45.0	0.00	0.00	-7.62	0.00	5.74	-5.39	1.546E-05	.007	.006	1.027E-08	10.88	.79	.50	.002
78	45.0	-3.59	0.00	-7.62	-3.59	.38	-7.93	3.746E-03	1.676	1.480	6.834E-04	10.13	.74	.50	.788
79	45.0	-3.63	0.00	-7.62	-3.63	1.17	-7.95	8.944E-04	.449	.353	3.903E-05	10.12	.74	.50	.188
80	45.0	-3.60	0.00	-7.62	-3.60	2.42	-7.93	1.570E-04	.079	.062	1.201E-06	10.13	.74	.50	.033
81	45.0	-3.55	0.00	-7.62	-3.55	3.76	-7.90	4.485E-05	.022	.018	9.781E-08	10.14	.74	.50	.009
82	45.0	-3.58	0.00	-7.62	-3.58	5.08	-7.92	2.038E-05	.010	.008	2.023E-08	10.14	.74	.50	.004
83	45.0	-3.62	0.00	-7.62	-3.62	5.79	-7.95	3.116E-05	.016	.012	4.734E-08	10.13	.74	.50	.007
84	45.0	-7.33	0.00	-7.62	-7.33	.31	-10.57	3.354E-03	1.941	1.325	6.329E-04	9.07	.67	.50	.785
85	45.0	-7.36	0.00	-7.62	-7.36	1.09	-10.59	4.244E-04	.246	.168	1.014E-05	9.06	.67	.50	.099
86	45.0	-7.36	0.00	-7.62	-7.36	2.36	-10.59	3.789E-05	.022	.015	8.083E-08	9.06	.67	.50	.009
87	45.0	-7.37	0.00	-7.62	-7.33	3.74	-10.57	4.102E-05	.024	.016	9.467E-08	9.07	.67	.50	.010
88	45.0	-7.33	0.00	-7.62	-7.33	5.03	-10.57	2.137E-05	.012	.008	2.570E-08	9.07	.67	.50	.005
89	45.0	-7.35	0.00	-7.62	-7.35	5.66	-10.59	1.188E-05	.007	.005	7.951E-09	9.06	.67	.50	.003

CFHT TEST (32), M7AC-E PSI GAPS, RUN (144) 1973

MACH	= 14.296	TT	= 3.958E+02(K)
PX EDGE	= 8.161E-02	PI	= 5.176E+06(N/M2)
PL EDGE	= 9.388E-02	T1	= 4.593E+01(K)
RE/METER	= 3.312E+06	P1	= 0.984E+02(N/M2)
HO	= 2.564E+08(W/M2- K)	(RHO V)1	= 1.034E+01(KG/M2-S)
TW	= 304.4 (K)	GAP	= .711 (CM)
STEP	= .254(CM)	CONF	=STAG

TAW/TT =0.898 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	-10.39	7.62	0.00	-7.62	5.70	0.00	3.149E-05	.012	.012	3.809E-08	11.56	.83	.50	.009
10	90.0	-10.72	7.62	0.00	-7.62	5.03	0.00	6.278E-05	.025	.025	1.514E-07	11.56	.83	.50	.017
11	90.0	-11.34	7.62	0.00	-7.62	3.74	0.00	1.379E-04	.054	.054	7.303E-07	11.56	.83	.50	.037
12	90.0	-10.05	7.62	0.00	-7.62	2.36	0.00	2.523E-04	.100	.100	2.446E-06	11.56	.83	.50	.069
13	90.0	-8.83	7.62	0.00	-7.62	1.14	0.00	5.721E-04	.226	.226	1.257E-05	11.56	.83	.50	.155
14	90.0	-8.42	7.62	0.00	-7.62	.33	0.00	2.717E-03	1.074	1.074	2.835E-04	11.56	.83	.50	.738
15	90.0	-7.29	7.62	0.00	-7.29	0.00	0.00	3.683E-03	1.455	1.455	5.211E-04	11.56	.83	.50	
16	90.0	-3.63	7.62	0.00	-3.63	0.00	0.00	3.267E-03	1.291	1.291	4.099E-04	11.56	.83	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	2.998E-03	1.185	1.185	3.453E-04	11.56	.83	.50	
18	90.0	3.54	7.62	0.00	3.54	0.00	0.00	2.840E-03	1.122	1.122	3.098E-04	11.56	.83	.50	
19	90.0	7.27	7.62	0.00	7.27	0.00	0.00	1.631E-03	.645	.645	1.022E-04	11.56	.83	.50	
20	90.0	7.97	7.62	0.00	7.62	.41	0.00	8.959E-06	.004	.004	3.021E-09	11.56	.83	.50	.005
21	90.0	8.72	7.62	0.00	7.62	1.17	0.00	7.828E-05	.031	.031	2.354E-07	11.56	.83	.50	.049
22	90.0	9.34	7.62	0.00	7.62	2.39	0.00	1.157E-05	.005	.005	5.227E-09	11.56	.83	.50	.007
23	90.0	11.25	7.62	0.00	7.62	3.70	0.00	3.076E-05	.012	.012	3.635E-08	11.56	.83	.50	.019
24	90.0	12.62	7.62	0.00	7.62	5.07	0.00	1.910E-05	.008	.008	1.402E-08	11.56	.83	.50	.012
25	90.0	13.28	7.62	0.00	7.62	5.73	0.00	1.367E-05	.005	.005	7.176E-09	11.56	.83	.50	.008
26	90.0	-13.35	11.38	3.76	-7.62	5.78	3.76	3.819E-05	.017	.012	3.639E-08	11.30	.81	.50	.003
27	90.0	-12.69	11.42	3.80	-7.62	5.64	3.80	9.572E-05	.039	.038	3.660E-07	11.29	.81	.50	.011
28	90.0	-11.36	11.38	3.76	-7.62	3.72	3.76	3.341E-04	.137	.132	4.455E-06	11.30	.81	.50	.039
29	90.0	-10.14	11.43	3.81	-7.62	2.44	3.81	6.843E-04	.281	.270	1.871E-05	11.29	.81	.50	.079
30	90.0	-9.93	11.46	3.83	-7.62	1.16	3.83	1.851E-03	.761	.732	1.373E-04	11.29	.81	.50	.213
31															
32															
33	90.0	-3.71	11.54	3.92	-3.71	0.00	3.92	3.760E-03	1.552	1.489	5.686E-04	11.29	.81	.50	
34	90.0	0.00	11.57	3.95	0.00	0.00	3.95	3.327E-03	1.248	1.196	3.672E-04	11.27	.81	.50	
35	90.0	3.59	11.51	3.89	3.59	0.00	3.89	2.720E-03	1.120	1.075	2.961E-04	11.28	.81	.50	
36	90.0	7.23	11.36	3.74	7.23	0.00	3.74	1.552E-03	.637	.613	9.609E-05	11.30	.81	.50	
37	90.0	7.37	11.41	3.79	7.62	.37	3.79	2.312E-04	.095	.091	2.134E-06	11.30	.81	.50	.149
38	90.0	8.75	11.36	3.74	7.62	1.15	3.74	1.843E-04	.076	.073	1.355E-06	11.30	.81	.50	.119
39	90.0	9.95	11.42	3.80	7.62	2.35	3.80	6.398E-05	.026	.025	1.635E-07	11.29	.81	.50	.041
40	90.0	11.22	11.42	3.80	7.62	3.62	3.80	4.722E-05	.019	.019	8.907E-08	11.30	.81	.50	.030
41	90.0	12.64	11.29	3.67	7.62	5.04	3.67	3.530E-05	.014	.014	4.969E-08	11.31	.82	.50	.023
42	90.0	17.28	11.24	3.62	7.62	5.68	3.62	4.175E-05	.017	.016	6.945E-09	11.32	.82	.50	.027
43	90.0	-13.37	14.97	7.35	-7.62	5.70	7.35	4.040E-05	.018	.016	7.234E-08	10.50	.76	.50	.006
44	90.0	-12.67	14.95	7.33	-7.62	4.91	7.33	1.133E-04	.052	.045	5.685E-07	10.50	.76	.50	.016
45	90.0	-11.39	14.94	7.32	-7.62	3.72	7.32	3.774E-04	.172	.149	6.304E-06	10.51	.76	.53	.053
46	90.0	-10.13	14.98	7.36	-7.62	2.37	7.36	5.203E-04	.237	.205	1.200E-05	10.49	.76	.50	.073

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 74

CRAT TEST (92) , MJAC-E RSI GAPS, RUN (1A4) 1973

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	WSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	90.0	-8.92	14.97	-7.62	1.16	7.35	1.419E-03	.647	.761	8.923E-05	10.48	.76	.50	.200
48	90.0	-7.99	14.88	-7.62	.33	7.26	5.886E-03	2.675	2.126	1.530E-03	10.52	.77	.50	.826
49														
50														
51	90.0		15.02	0.00	0.00	7.40	3.549E-03	1.621	1.403	5.594E-04	10.48	.76	.50	
52	90.0	3.58	14.97	3.58	0.00	7.35	3.535E-03	1.612	1.397	2.539E-04	10.50	.76	.50	
53	90.0	7.24	14.78	7.24	0.00	7.16	1.953E-03	.894	.772	1.680E-04	10.55	.77	.50	.478
54	90.0	7.99	14.88	7.26	.31	7.26	9.150E-04	.416	.362	3.699E-05	10.52	.77	.50	.149
55	90.0	8.69	14.92	7.62	1.11	7.30	2.901E-04	.132	.115	3.723E-06	10.51	.76	.50	.053
56	90.0	9.90	14.87	7.62	2.32	7.25	1.041E-04	.047	.041	4.788E-07	10.53	.77	.50	.021
57	90.0	11.24	14.88	7.26	3.70	7.26	4.057E-05	.018	.016	7.271E-08	10.52	.77	.50	.020
58	90.0	12.55	14.85	7.24	4.97	7.24	3.956E-05	.018	.016	6.919E-08	10.53	.77	.50	.008
59	90.0	13.23	14.87	7.26	5.62	7.25	1.533E-05	.007	.006	1.038E-08	10.53	.77	.50	.737
60	90.0	-7.14	15.24	7.62	.27	7.62	5.115E-03	2.387	2.049	1.283E-03	10.41	.76	.53	.145
61	90.0	-7.35	15.24	7.62	1.17	7.62	1.010E-03	.469	.402	4.638E-05	10.41	.76	.50	
62	90.0	-7.13	15.24	7.62	2.34	7.62	3.480E-04	.160	.138	5.421E-06	10.41	.76	.50	.049
63	90.0	-7.13	15.24	7.62	3.71	7.62	3.239E-04	.149	.128	4.695E-06	10.41	.76	.50	.046
64	90.0	-7.14	15.24	7.62	5.02	7.62	1.061E-04	.049	.042	5.042E-07	10.41	.76	.50	.015
65	90.0	-7.14	15.24	7.62	5.63	7.62	3.277E-05	.015	.013	4.806E-08	10.41	.76	.50	.005
66	90.0	-3.44	15.24	7.62	.36	7.62	2.717E-03	1.251	1.073	3.303E-04	10.41	.76	.50	.712
67	90.0	-3.44	15.24	7.62	1.19	7.62	3.379E-04	.165	.141	5.732E-06	10.41	.76	.50	.094
68	90.0	-3.45	15.24	7.62	2.44	7.62	6.446E-05	.030	.025	1.059E-07	10.41	.76	.50	.017
69	90.0	-3.50	15.24	7.62	3.74	7.62	6.196E-05	.029	.024	1.719E-07	10.41	.76	.50	.016
70	90.0	-3.46	15.24	7.62	5.04	7.62	6.274E-05	.029	.025	1.762E-07	10.41	.76	.53	.016
71	90.0	-3.43	15.24	7.62	5.81	7.62	3.751E-05	.017	.015	6.298E-08	10.41	.76	.50	.010
72	90.0	0.00	15.24	7.62	0.00	.39	7.62	7.188E-07	.000	.000	2.312E-11	10.41	.76	.50	.000
73	90.0	0.00	15.24	7.62	0.00	1.15	7.62	4.964E-04	.206	.176	8.920E-06	10.41	.76	.50	.127
74	90.0	0.00	15.24	7.62	0.00	2.37	7.62	5.587E-05	.026	.022	1.397E-07	10.41	.76	.50	.016
75	90.0	0.00	15.24	7.62	0.00	3.70	7.62	5.982E-05	.028	.024	1.601E-07	10.41	.76	.50	.017
76	90.0	0.00	15.24	7.62	0.00	4.99	7.62	3.145E-05	.014	.012	4.426E-08	10.41	.76	.50	.009
77	90.0	0.00	15.24	7.62	0.00	5.74	7.62	3.200E-05	.015	.013	4.816E-08	10.41	.76	.50	.009
78	90.0	3.59	15.24	7.62	3.59	.39	7.62	2.572E-03	1.184	1.016	2.961E-04	10.41	.76	.50	.735
79	90.0	3.63	15.24	7.62	3.63	1.17	7.62	5.821E-04	.268	.230	1.516E-05	10.41	.76	.50	.166
80	90.0	3.60	15.24	7.62	3.60	2.42	7.62	7.528E-05	.035	.030	2.536E-07	10.41	.76	.50	.022
81	90.0	3.56	15.24	7.62	3.55	3.76	7.62	4.428E-05	.020	.017	8.773E-08	10.41	.76	.50	.013
82	90.0	3.59	15.24	7.62	3.59	5.08	7.62	2.939E-05	.009	.008	1.961E-08	10.41	.76	.50	.005
83	90.0	7.49	15.24	7.62	3.62	6.79	7.62	2.666E-05	.012	.010	3.040E-08	10.41	.76	.50	.007
84	90.0	7.33	15.24	7.62	7.33	.31	7.62	1.779E-03	.819	.703	1.416E-04	10.41	.76	.50	.926
85	90.0	7.35	15.24	7.62	7.36	1.09	7.62	4.198E-04	.193	.166	7.889E-06	10.41	.76	.50	.219
86	90.0	7.35	15.24	7.62	7.36	2.35	7.62	8.028E-05	.037	.032	2.885E-07	10.41	.76	.50	.042
87	90.0	7.33	15.24	7.62	7.33	3.74	7.62	4.497E-05	.021	.018	9.051E-08	10.41	.76	.50	.023
88	90.0	7.33	15.24	7.62	7.33	5.03	7.62	3.311E-05	.015	.013	4.907E-08	10.41	.76	.50	.017
89	90.0	7.35	15.24	7.62	7.35	5.65	7.62	1.772E-05	.008	.007	1.405E-08	10.41	.76	.50	.009

3.4-283

CFHT TEST (92), MDAC-E RSI GAPS, RUN (145) 1973

MACH = 17.290
PX E06 = 8.132E-02
PL E06 = 9.758E-02
RE/METER = 3.291E+06
HO = 2.554E+03(W/M2- K)
TW = 299.4 (K)
STEP = .254(CM)

TT = 9.988E+02(K)
PI = 5.179E+06(N/M2)
T1 = 4.703E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =1.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	92.5	-13.39	7.62	0.00	-7.62	5.70	-.99	2.446E-05	.010	.010	2.307E-08	11.52	.83	.50	.005
10	92.5	-12.72	7.62	0.00	-7.62	5.03	-.99	6.738E-05	.027	.027	1.759E-07	11.52	.83	.50	.012
11	92.5	-11.34	7.62	0.00	-7.62	3.74	-.99	2.045E-04	.081	.081	1.623E-06	11.52	.83	.50	.038
12	92.5	-10.05	7.62	0.00	-7.62	2.36	-.99	3.634E-04	.145	.144	5.119E-06	11.52	.83	.50	.067
13	92.5	-8.97	7.62	0.00	-7.62	1.14	-.99	1.064E-03	.424	.420	4.306E-05	11.52	.83	.50	.197
14	92.5	-8.62	7.62	0.00	-7.62	.33	-.99	4.575E-03	1.821	1.807	8.107E-04	11.52	.83	.50	.846
15	92.5	-7.29	7.62	0.00	-7.29	0.00	-.95	5.407E-03	2.153	2.137	1.133E-03	11.53	.83	.50	
16	92.5	-3.63	7.62	0.00	-3.63	0.00	-.47	3.826E-03	1.517	1.512	5.648E-04	11.55	.83	.50	
17	92.5	0.04	7.62	0.00	0.00	0.00	0.00	3.252E-03	1.285	1.285	4.066E-04	11.56	.83	.50	
18	92.5	3.54	7.62	0.00	3.54	0.00	.46	2.860E-03	1.134	1.130	3.156E-04	11.56	.83	.50	
19	92.5	7.27	7.62	0.00	7.27	0.00	.95	1.589E-03	.632	.628	9.776E-05	11.55	.83	.50	.002
20	92.5	7.97	7.62	0.00	7.62	.41	.99	3.085E-06	.001	.001	3.689E-10	11.55	.83	.50	
21	92.5	8.72	7.62	0.00	7.62	1.17	.99	1.283E-04	.051	.051	6.383E-07	11.55	.83	.50	.001
22	92.5	9.94	7.62	0.00	7.62	2.39	.99	5.193E-05	.021	.021	1.045E-07	11.55	.83	.50	.033
23	92.5	11.25	7.62	0.00	7.62	3.70	.99	4.421E-05	.018	.017	7.574E-08	11.55	.83	.50	.028
24	92.5	12.42	7.62	0.00	7.62	5.07	.99	3.236E-05	.013	.013	4.050E-08	11.55	.83	.50	.020
25	92.5	13.23	7.62	0.00	7.62	5.73	.99	2.946E-05	.012	.012	3.364E-08	11.55	.83	.50	.019
26	92.5	-13.35	11.38	3.76	-7.62	5.70	2.74	2.682E-05	.011	.011	2.829E-08	11.43	.82	.50	.003
27	92.5	-12.64	11.42	3.80	-7.62	5.04	2.78	4.582E-05	.019	.018	8.265E-08	11.43	.82	.50	.005
28	92.5	-11.35	11.38	3.76	-7.62	3.72	2.73	2.422E-04	.098	.096	2.307E-06	11.43	.82	.50	.029
29	92.5	-10.03	11.43	3.81	-7.62	2.44	2.79	5.583E-04	.230	.225	1.271E-05	11.42	.82	.50	.055
30	92.5	-8.81	11.45	3.83	-7.62	1.16	2.80	1.807E-03	.731	.716	1.286E-04	11.42	.82	.50	.206
31															
32															
33	92.5	-3.71	11.54	3.92	-3.71	0.00	3.40	3.709E-02	1.515	1.466	[illegible]68E-04	11.35	.82	.53	
34	92.5	0.00	11.57	3.95	0.00	0.00	3.92	2.979E-03	1.227	1.17[illegible]	[illegible]9E-04	11.28	.81	.50	
35	92.5	3.59	11.53	3.89	3.59	0.00	4.32	2.582E-03	1.115	1.060	[illegible]E-04	11.21	.81	.50	
36	92.5	7.28	11.36	3.74	7.28	0.00	4.66	1.488E-03	.623	.588	9.[illegible]E-05	11.15	.81	.50	
37	92.5	7.97	11.41	3.79	7.62	.37	4.75	2.034E-04	.085	.080	1.[illegible]E-06	11.13	.80	.50	.137
38	92.5	8.75	11.36	3.74	7.62	1.15	4.70	1.905E-04	.076	.071	1.[illegible]-06	11.14	.80	.50	.121
39	92.5	9.95	11.42	3.80	7.62	2.35	4.76	7.086E-05	.030	.028	2.[illegible]-07	11.13	.80	.50	.048
40	92.5	11.22	11.42	3.80	7.62	3.62	4.76	5.949E-05	.025	.023	1.[illegible]-07	11.13	.80	.50	.039
41	92.5	12.54	11.29	3.67	7.62	5.64	4.63	3.681E-05	.015	.014	5.460E-[illegible]	11.15	.81	.50	.025
42	92.5	13.23	11.24	3.62	7.62	5.68	4.58	2.745E-05	.011	.011	3.066E-08	11.16	.81	.50	.018
43	92.5	-13.77	14.97	7.35	-7.62	5.70	6.29	3.454E-05	.015	.014	5.691 [illegible]	10.[illegible]	.78	.50	.004
44	92.5	-12.97	14.95	7.33	-7.62	4.91	6.27	1.153E-04	.051	.046	5.67[illegible]7	[illegible].0[illegible]	.79	.50	.015
45	92.5	-11.64	14.94	7.32	-7.62	3.72	6.26	4.356E-04	.191	.172	8.0[illegible]-6	10.8[illegible]	.78	.50	.056
46	92.5	-10.34	14.93	7.36	-7.62	2.37	6.30	6.6F2E-04	.292	.263	1.89	10.79	.78	.50	.085

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CM	GAMMA (DEG)	XSURF (CM)	XO (CM)	XP (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	82.5	-8.82	14.97	7.35	-7.62	1.16	6.29	1.777E-03	.780	.702	1.348E-04	10.79	.78	.50	.226
48	82.5	-7.93	14.88	7.26	-7.62	.33	6.21	6.574E-03	2.876	2.598	1.840E-03	10.81	.78	.50	.840
49															
50	82.5	-3.69	14.95	7.33	-3.69	0.00	6.78	3.330E-03	1.447	1.316	4.817E-04	10.66	.77	.50	
51	82.5	0.00	15.02	7.40	0.00	0.00	7.34	2.532E-03	1.101	1.024	2.979E-04	10.50	.76	.50	
52	82.5	3.59	14.97	7.35	3.58	0.00	7.76	2.313E-03	1.074	.914	2.416E-04	10.37	.76	.50	
53	82.5	7.24	14.78	7.16	7.24	0.00	8.04	9.164E-04	.433	.362	3.863E-05	10.28	.75	.50	
54	82.5	7.39	14.88	7.25	7.62	.31	8.19	3.438E-04	.164	.136	5.407E-06	10.23	.75	.50	.379
55	82.5	8.69	14.92	7.30	7.62	1.11	8.23	1.480E-04	.067	.055	9.119E-07	10.22	.75	.50	.155
56	82.5	9.90	14.87	7.25	7.62	2.32	8.19	8.504E-05	.041	.034	3.436E-07	10.23	.75	.50	.095
57	82.5	11.24	14.88	7.26	7.62	3.70	8.19	3.679E-05	.018	.015	6.283E-08	10.23	.75	.50	.041
58	82.5	12.55	14.86	7.24	7.62	4.97	8.18	5.335E-05	.024	.020	1.176E-07	10.23	.75	.50	.055
59	82.5	13.20	14.87	7.25	7.62	5.62	8.18	1.991E-05	.009	.008	1.039E-08	10.23	.75	.50	.022
60	82.5	-7.14	15.24	7.62	-7.14	.27	6.62	5.555E-03	2.510	2.294	1.381E-03	10.78	.78	.50	.733
61	82.5	-7.35	15.24	7.62	-7.35	1.17	6.60	1.294E-03	.574	.511	7.224E-05	10.71	.78	.50	.168
62	82.5	-7.13	15.24	7.62	-7.13	2.34	6.62	4.900E-04	.218	.194	1.037E-05	10.78	.78	.50	.064
63	82.5	-7.19	15.24	7.62	-7.19	3.71	6.62	4.029E-04	.179	.159	7.910E-06	10.71	.78	.50	.052
64	82.5	-7.14	15.24	7.62	-7.14	5.02	6.62	1.209E-04	.054	.048	6.311E-07	10.78	.78	.50	.016
65	82.5	-7.14	15.24	7.62	-7.14	5.63	6.62	5.263E-05	.023	.021	1.196E-07	10.78	.78	.50	.007
66	82.5	-3.44	15.24	7.62	-3.44	.36	7.11	1.908E-03	.858	.751	1.587E-04	10.57	.77	.50	.577
67	82.5	-3.44	15.24	7.62	-3.44	1.19	7.11	2.782E-04	.126	.110	3.493E-06	10.57	.77	.50	.085
68	82.5	-3.45	15.24	7.62	-3.45	2.44	7.10	7.763E-05	.035	.031	2.650E-07	10.57	.77	.50	.024
69	82.5	-3.51	15.24	7.62	-3.50	3.74	7.10	1.048E-04	.047	.041	4.829E-07	10.57	.77	.50	.032
70	82.5	-3.46	15.24	7.62	-3.46	5.04	7.10	6.868E-05	.031	.027	2.069E-07	10.57	.77	.50	.021
71	82.5	-3.40	15.24	7.62	-3.40	5.81	7.11	4.187E-05	.019	.017	7.710E-08	10.57	.77	.50	.013
72															
73	82.5	0.00	15.24	7.62	0.00	1.15	7.55	3.300E-04	.152	.130	4.867E-06	10.43	.76	.50	.128
74	82.5	0.00	15.24	7.62	0.00	2.37	7.55	7.540E-05	.035	.030	2.541E-07	10.43	.76	.50	.029
75	82.5	0.00	15.24	7.62	0.00	3.70	7.55	6.461E-05	.030	.026	1.865E-07	10.43	.76	.50	.025
76	82.5	0.00	15.24	7.62	0.00	4.99	7.55	3.930E-05	.018	.016	6.903E-08	10.43	.76	.50	.015
77	82.5	0.00	15.24	7.62	0.00	5.74	7.55	3.331E-05	.015	.013	4.960E-08	10.43	.76	.50	.013
78	82.5	3.59	15.24	7.62	3.59	.38	8.02	1.286E-03	.607	.548	7.684E-05	10.28	.75	.50	.566
79	82.5	3.63	15.24	7.62	3.63	1.17	8.03	3.472E-04	.164	.137	5.541E-06	10.28	.75	.50	.153
80	82.5	3.60	15.24	7.62	3.60	2.42	8.02	7.911E-05	.037	.031	2.876E-07	10.28	.75	.50	.035
81	82.5	3.55	15.24	7.62	3.55	3.76	8.02	6.570E-05	.031	.026	1.983E-07	10.29	.75	.50	.029
82	82.5	3.59	15.24	7.62	3.58	5.08	8.02	2.837E-05	.013	.011	3.697E-08	10.29	.75	.50	.012
83	82.5	3.62	15.24	7.62	3.62	5.79	8.03	3.007E-05	.014	.012	4.155E-08	10.28	.75	.50	.013
84	82.5	7.33	15.24	7.62	7.33	.31	8.51	8.861E-04	.334	.271	2.229E-05	10.12	.74	.50	.771
85	82.5	7.36	15.24	7.62	7.36	1.09	8.52	1.386E-04	.097	.078	1.867E-06	10.12	.74	.50	.223
86	82.5	7.36	15.24	7.62	7.36	2.36	8.52	7.568E-05	.037	.030	2.712E-07	10.12	.74	.50	.085
87	82.5	7.33	15.24	7.62	7.33	3.74	8.51	6.198E-05	.030	.024	1.818E-07	10.12	.74	.50	.070
88	82.5	7.33	15.24	7.62	7.33	5.03	8.51	2.987E-05	.015	.012	4.224E-08	10.12	.74	.50	.034
89	82.5	7.35	15.24	7.62	7.35	5.66	8.51	1.799E-05	.009	.007	1.532E-08	10.12	.74	.50	.020

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CFHT TEST (821), MDEC-E RSI GAPS, RUN (146) 1973

MACH = 10.290
RE/FT = 3.232E+06
TW = 299.8 (K)
STEP = .254(CM)

TT = 9.986E+02(K)
PI = 5.178E+06(N/M2)
T1 = 4.702E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.995 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	75.0	-13.39	7.62	0.00	-7.62	5.70	-1.97	6.585E-05	.026	.026	1.693E-07	11.45	.82	.53	.009
10	75.0	-12.72	7.62	0.00	-7.62	5.03	-1.97	8.392E-05	.034	.033	2.750E-07	11.45	.82	.50	.011
11	75.0	-11.34	7.62	0.00	-7.62	3.74	-1.97	2.146E-04	.086	.086	1.865E-06	11.45	.82	.50	.029
12	75.0	-10.08	7.62	0.00	-7.62	2.36	-1.97	4.018E-04	.161	.159	6.305E-06	11.45	.82	.52	.054
13	75.0	-9.83	7.62	0.00	-7.62	1.14	-1.97	1.686E-03	.677	.666	1.111E-04	11.45	.82	.50	.227
14	75.0	-8.02	7.62	0.00	-7.62	.33	-1.97	6.468E-03	2.595	2.556	1.633E-03	11.45	.82	.50	.872
15	75.0	-7.29	7.62	0.00	-7.29	0.00	-1.89	7.425E-03	2.978	2.934	2.151E-03	11.46	.82	.50	
16	75.0	-3.63	7.62	0.00	-3.63	3.09	-.94	3.918E-03	1.560	1.548	5.946E-04	11.53	.83	.50	
17	75.0	0.00	7.62	0.00	0.00	0.00	0.00	3.214E-03	1.270	1.270	3.971E-04	11.56	.83	.50	
18	75.0	3.64	7.62	0.00	3.64	3.09	.92	2.823E-03	1.124	1.116	3.087E-04	11.55	.83	.50	
19	75.0	7.27	7.62	0.00	7.27	3.00	1.88	1.532E-03	.654	.645	1.039E-04	11.50	.83	.50	
20															
21	75.0	8.72	7.62	0.00	7.62	1.17	1.97	1.570E-04	.063	.062	9.630E-07	11.50	.83	.50	.096
22	75.0	9.94	7.62	0.00	7.62	2.39	1.97	5.583E-05	.022	.022	1.217E-07	11.50	.83	.50	.034
23	75.0	11.25	7.62	0.00	7.62	3.70	1.97	3.655E-05	.015	.014	5.219E-08	11.50	.83	.50	.022
24	75.0	12.62	7.62	0.00	7.62	5.07	1.97	3.378E-05	.014	.013	4.455E-08	11.50	.83	.50	.021
25	75.0	13.28	7.62	0.00	7.62	5.73	1.97	2.257E-05	.009	.009	1.989E-08	11.50	.83	.50	.014
26	75.0	-16.35	11.38	3.76	-7.62	5.70	1.66	3.093E-05	.012	.012	3.727E-08	11.52	.83	.50	.004
27	75.0	-12.69	11.42	3.80	-7.62	5.04	1.70	3.425E-05	.014	.014	4.573E-08	11.52	.83	.50	.010
28	75.0	-11.36	11.38	3.76	-7.62	3.72	1.66	8.427E-05	.034	.033	2.766E-07	11.52	.83	.50	.033
29	75.0	-10.08	11.43	3.81	-7.62	2.44	1.71	2.675E-04	.107	.106	2.789E-06	11.51	.83	.50	.168
30	75.0	-8.81	11.45	3.83	-7.62	1.16	1.73	1.351E-03	.541	.534	7.116E-05	11.51	.83	.50	.854
31	75.0	-7.97	11.49	3.87	-7.62	.33	1.76	6.886E-03	2.756	2.718	1.845E-03	11.51	.83	.53	
32															
33	75.0	-3.71	11.54	3.92	-3.71	0.00	2.83	3.613E-03	1.382	1.349	4.589E-04	11.42	.82	.50	
34	75.0	0.00	11.57	3.95	0.00	0.00	3.82	2.854E-03	1.173	1.128	3.259E-04	11.29	.81	.50	
35	75.0	3.63	11.51	3.89	3.59	3.00	4.69	2.701E-03	1.132	1.067	2.976E-04	11.15	.81	.50	
36	75.0	7.29	11.36	3.74	7.29	0.00	5.50	1.494E-03	.640	.598	9.299E-05	10.98	.79	.53	
37	75.0	7.97	11.41	3.79	7.62	.37	5.63	1.951E-04	.084	.077	1.609E-06	11.95	.79	.50	.132
38	75.0	8.73	11.36	3.74	7.62	1.15	5.59	1.748E-04	.075	.069	1.277E-06	10.96	.79	.50	.117
39	75.0	9.93	11.42	3.80	7.62	2.35	5.64	8.587E-05	.037	.034	3.159E-07	10.95	.79	.50	.058
40	75.0	11.22	11.42	3.80	7.62	3.62	5.64	5.113E-05	.022	.020	1.094E-07	10.95	.79	.50	.034
41	75.0	12.54	11.29	3.67	7.62	5.04	5.51	5.534E-05	.024	.022	1.323E-07	10.98	.79	.50	.038
42	75.0	13.24	11.24	3.62	7.62	5.68	5.47	1.721E-05	.007	.007	1.233E-08	10.99	.79	.50	.012
43	75.0	-13.37	14.97	7.35	-7.62	5.70	5.12	2.369E-05	.010	.009	2.313E-09	11.06	.80	.50	.003
44	75.0	-12.57	14.95	7.33	-7.62	4.91	5.10	8.451E-05	.036	.033	2.941E-07	11.06	.80	.50	.010
45	75.0	-11.33	14.94	7.32	-7.62	3.72	5.09	3.867E-04	.164	.154	6.219E-06	11.07	.80	.50	.047
46	75.0	-11.03	14.99	7.36	-7.62	2.37	5.13	7.574E-04	.321	.299	2.364E-05	11.06	.80	.50	.091

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
47	75.0	-8.92	14.97	7.35	-7.62	1.16	5.12	2.159E-03	.914	.853	1.920E-04	11.06	.80	.50	.268
48	75.0	-7.93	14.88	7.26	-7.62	.33	5.04	7.096E-03	2.998	2.804	2.070E-03	11.06	.80	.50	.853
49															
50	75.0	-3.69	14.95	7.33	-3.69	1.00	6.12	3.817E-03	1.317	1.192	3.867E-04	10.83	.79	.50	
51	75.0	0.00	15.02	7.40	0.00	0.00	7.15	2.248E-03	1.017	.888	2.225E-04	10.56	.77	.50	
52	75.0	3.69	14.97	7.35	3.68	1.00	8.03	1.917E-03	.905	.757	1.688E-04	10.28	.75	.50	
53	75.0	7.24	14.78	7.16	7.24	1.00	8.79	6.610E-04	.327	.261	2.103E-05	10.02	.73	.50	
54	75.0	7.89	14.88	7.26	7.62	.31	8.99	1.883E-04	.094	.074	1.727E-06	9.95	.73	.50	.288
55	75.0	8.68	14.92	7.30	7.62	1.11	9.02	9.454E-05	.047	.037	4.361E-07	9.94	.73	.50	.145
56	75.0	9.30	14.87	7.25	7.62	2.32	8.98	8.098E-05	.041	.032	3.192E-07	9.95	.73	.50	.124
57	75.0	11.28	14.88	7.26	7.62	3.78	8.98	5.563E-05	.028	.022	1.507E-07	9.95	.73	.50	.085
58	75.0	12.65	14.86	7.24	7.62	4.97	8.97	2.529E-05	.013	.010	3.363E-08	9.95	.73	.50	.040
59	75.0	13.24	14.87	7.25	7.62	5.62	8.98	3.451E-05	.017	.014	5.796E-08	9.95	.73	.50	.053
60	75.0	-7.14	15.24	7.62	-7.14	.27	5.51	6.049E-03	2.592	2.390	1.526E-03	10.98	.79	.50	.737
61	75.0	-7.35	15.24	7.62	-7.35	1.17	5.46	1.542E-03	.702	.649	1.122E-04	10.99	.80	.50	.200
62	75.0	-7.13	15.24	7.62	-7.13	2.34	5.52	6.166E-04	.262	.241	1.554E-05	10.98	.79	.50	.074
63	75.0	-7.19	15.24	7.62	-7.19	3.71	5.50	3.649E-04	.156	.144	5.549E-06	10.98	.79	.50	.044
64	75.0	-7.14	15.24	7.62	-7.14	5.02	5.51	8.551E-05	.037	.034	3.049E-07	10.98	.79	.50	.010
65	75.0	-7.14	15.24	7.62	-7.14	5.63	5.51	3.576E-05	.015	.014	5.332E-08	10.98	.79	.50	.004
66	75.0	-3.44	15.24	7.62	-3.44	.36	6.47	1.459E-03	.644	.576	9.137E-05	10.74	.78	.50	.489
67	75.0	-3.44	15.24	7.62	-3.44	1.19	6.47	2.720E-04	.120	.107	3.176E-06	10.74	.78	.50	.091
68	75.0	-3.45	15.24	7.62	-3.45	2.44	6.47	1.165E-04	.051	.046	5.830E-07	10.74	.78	.50	.039
69	75.0	-3.53	15.24	7.62	-3.53	3.74	6.45	1.307E-04	.058	.052	7.336E-07	10.75	.78	.50	.044
70	75.0	-3.46	15.24	7.62	-3.46	5.04	6.46	7.770E-05	.034	.031	2.592E-07	10.75	.78	.50	.026
71	75.0	-3.40	15.24	7.62	-3.40	5.81	6.49	2.823E-05	.012	.011	3.424E-08	10.74	.78	.50	.009
72															
73	75.0	0.00	15.24	7.62	0.00	1.15	7.36	2.765E-04	.126	.109	3.394E-06	10.49	.76	.50	.124
74	75.0	0.00	15.24	7.62	0.00	2.37	7.36	7.066E-05	.032	.028	2.216E-07	10.49	.76	.50	.032
75	75.0	0.00	15.24	7.62	0.00	3.70	7.36	8.733E-05	.040	.035	3.385E-07	10.49	.76	.50	.039
76	75.0	0.00	15.24	7.62	0.00	4.99	7.36	6.114E-05	.028	.024	1.659E-07	10.49	.76	.50	.027
77	75.0	0.00	15.24	7.62	0.00	5.74	7.36	3.254E-05	.015	.013	4.729E-08	10.49	.76	.50	.015
78	75.0	3.59	15.24	7.62	3.59	.38	9.29	8.239E-04	.395	.326	3.171E-05	10.20	.74	.50	.437
79	75.0	3.63	15.24	7.62	3.63	1.17	9.30	1.964E-04	.095	.078	1.454E-06	10.19	.74	.50	.094
80	75.0	3.60	15.24	7.62	3.60	2.42	9.29	6.559E-05	.033	.027	2.204E-07	10.19	.74	.50	.036
81	75.0	3.55	15.24	7.62	3.55	3.76	9.28	4.443E-05	.021	.018	9.213E-08	10.20	.74	.50	.024
82	75.0	3.58	15.24	7.62	3.58	5.03	9.29	1.532E-05	.009	.007	1.567E-09	10.20	.74	.50	.010
83	75.0	3.62	15.24	7.62	3.62	5.79	8.30	1.539E-05	.008	.006	1.256E-08	10.19	.74	.50	.009
84	75.0	7.33	15.24	7.62	7.33	.31	9.26	3.816E-04	.194	.151	7.203E-06	9.85	.72	.50	.593
85	75.0	7.36	15.24	7.62	7.36	1.09	9.26	1.387E-04	.055	.043	5.851E-07	9.84	.72	.50	.169
86	75.0	7.36	15.24	7.62	7.36	2.36	9.26	7.825E-05	.040	.031	3.031E-07	9.84	.72	.50	.122
87	75.0	7.33	15.24	7.62	7.33	3.74	9.26	6.480E-05	.033	.026	2.077E-07	9.85	.72	.50	.101
88	75.0	7.33	15.24	7.62	7.33	5.03	9.26	4.935E-05	.025	.020	1.205E-07	9.85	.72	.50	.077
89	75.0	7.35	15.24	7.62	7.35	5.65	9.26	3.859E-05	.020	.015	7.409E-08	9.84	.72	.50	.060

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

RSI GAP HEATING ANALYSIS

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.291
RX EJE = 9.136E-02
RL EJE = 9.361E-02
RE/METER = 3.292E+06
HO = 2.554E+08(W/M2- K)
TW = 298.7 (K)
STEP = .254(CM)

TT = 9.994E+02(K)
PI = 5.177E+06(N/M2)
TI = 4.701E+01(K)
PI = 0.984E+02(N/M2)
(RHO V)I = 1.033E-01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
X8 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	X8 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	60.0	-13.39	7.62	0.00	-7.62	5.70	-3.81	3.136E-05	.013	.012	3.964E-08	11.21	.81	.50	.004
10	60.0	-12.72	7.62	0.00	-7.62	5.03	-3.81	5.520E-05	.023	.022	1.228E-07	11.21	.81	.50	.007
11	60.0	-11.34	7.62	0.00	-7.62	3.74	-3.81	1.550E-04	.068	.065	1.096E-06	11.21	.81	.50	.020
12	60.0	-10.05	7.62	0.00	-7.62	2.36	-3.81	4.032E-04	.167	.159	6.551E-06	11.21	.81	.50	.049
13	60.0	-9.83	7.62	0.00	-7.62	1.14	-3.81	1.911E-03	.791	.755	1.471E-04	11.21	.81	.50	.234
14	60.0	-9.02	7.62	0.00	-7.62	.33	-3.81	7.089E-03	2.93	2.801	2.025E-03	11.21	.81	.50	.870
15															
16	60.0	-3.63	7.62	0.00	-3.63	1.00	-1.82	3.854E-03	1.595	1.523	5.795E-04	11.47	.82	.50	
17	60.0	0.00	7.62	0.00	0.00	1.00	0.00	3.147E-03	1.244	1.244	3.809E-04	11.56	.83	.50	
18	60.0	3.54	7.62	0.00	3.54	0.00	1.77	2.810E-03	1.126	1.110	3.078E-04	11.51	.83	.50	
19	60.0	7.27	7.62	0.00	7.27	3.00	3.63	1.834E-03	.752	.725	1.342E-04	11.32	.82	.50	
20	60.0	7.27	7.62	0.00	7.62	.41	3.81	5.543E-06	.002	.002	1.229E-09	11.29	.81	.50	.003
21	60.0	8.72	7.62	0.00	7.62	1.17	3.81	2.054E-04	.084	.081	1.687E-06	11.29	.81	.50	.112
22	60.0	9.94	7.62	0.00	7.62	2.39	3.81	6.095E-05	.025	.024	1.485E-07	11.29	.81	.50	.033
23	60.0	11.25	7.62	0.00	7.62	3.70	3.81	3.006E-05	.012	.012	3.613E-08	11.29	.81	.50	.016
24	60.0	12.02	7.62	0.00	7.62	5.07	3.81	2.838E-05	.012	.011	3.221E-08	11.29	.81	.50	.016
25	60.0	13.23	7.62	0.00	7.62	5.73	3.81	2.279E-05	.009	.009	2.076E-08	11.29	.81	.50	.012
26	60.0	-13.35	11.38	3.76	-7.62	5.70	-.55	1.751E-05	.007	.007	1.184E-08	11.54	.83	.50	.002
27	60.0	-12.69	11.42	3.80	-7.62	5.04	-.52	6.873E-05	.027	.027	1.824E-07	11.55	.83	.50	.009
28	60.0	-11.36	11.39	3.76	-7.62	3.72	-.55	1.957E-04	.078	.078	1.494E-06	11.54	.83	.50	.026
29	60.0	-10.19	11.43	3.81	-7.62	2.44	-.51	4.559E-04	.180	.184	8.381E-06	11.55	.83	.50	.062
30	60.0	-8.81	11.45	3.83	-7.62	1.16	-.49	1.277E-03	.506	.504	6.292E-05	11.55	.83	.50	.171
31	60.0	-7.37	11.49	3.87	-7.62	.33	-.46	6.173E-03	2.448	2.439	1.470E-03	11.55	.83	.50	.825
32	60.0	-7.24	11.41	3.79	-7.24	0.00	-.34	7.487E-03	2.966	2.959	2.161E-03	11.55	.83	.50	
33	60.0	-5.71	11.64	3.92	-3.71	1.00	1.54	3.840E-03	1.536	1.517	5.739E-04	11.52	.83	.50	
34	60.0	.00	11.67	3.95	0.00	3.00	3.42	2.938E-03	1.200	1.161	3.432E-04	11.35	.82	.50	
35	60.0	3.59	11.51	3.89	3.59	0.00	5.16	2.579E-03	1.093	1.019	2.744E-04	11.05	.80	.50	
36	60.0	7.29	11.36	3.74	7.29	3.00	6.88	1.450E-03	.650	.573	9.168E-05	10.63	.77	.50	
37	60.0	7.37	11.41	3.79	7.62	.37	7.09	2.252E-04	.102	.089	2.228E-06	10.57	.77	.50	.157
38	60.0	8.75	11.36	3.74	7.62	1.15	7.05	1.464E-04	.066	.058	9.407E-07	10.58	.77	.50	.102
39	60.0	9.95	11.42	3.80	7.62	2.35	7.10	5.931E-05	.027	.023	1.547E-07	10.57	.77	.50	.041
40	60.0	11.22	11.42	3.80	7.62	3.62	7.10	2.743E-05	.012	.011	3.307E-08	10.57	.77	.50	.019
41	60.0	12.64	11.23	3.67	7.62	5.04	6.99	2.485E-05	.011	.010	2.703E-08	10.60	.77	.50	.017
42	60.0	13.28	11.24	3.62	7.62	5.68	6.94	1.548E-05	.007	.006	1.048E-08	10.61	.77	.50	.011
43	60.0	-13.37	14.37	7.35	-7.62	5.73	2.55	1.387E-05	.006	.005	7.552E-09	11.45	.82	.50	.002
44	60.0	-12.67	14.95	7.33	-7.62	4.91	2.53	2.575E-05	.011	.011	2.807E-08	11.45	.82	.50	.003
45	60.0	-11.39	14.94	7.32	-7.62	3.72	2.53	1.147E-04	.046	.045	5.157E-07	11.45	.82	.50	.014
46	60.0	-10.07	14.98	7.36	-7.62	2.37	2.56	3.243E-04	.131	.128	4.127E-06	11.45	.82	.50	.038

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (921), MOAC-F RSI GAPS, RUN (147) 1973 PAGE 60

CH	GAMMA (DEG)	XSURF (CM)	XP (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	60.0	-8.92	14.97	7.35	-7.62	1.16	2.55	1.995E-03	.804	.708	1.562E-04	11.45	.82	.50	.235
48	60.0	-7.99	14.89	7.26	-7.62	.33	2.48	7.316E-03	2.947	2.891	2.098E-03	11.46	.82	.50	.865
49															
50	60.0	-3.69	14.95	7.33	-3.69	0.00	4.50	2.794E-03	1.166	1.104	3.172E-04	11.18	.81	.50	
51	60.0	0.00	15.02	7.40	0.00	0.00	6.41	1.997E-03	.880	.789	1.710E-04	10.76	.78	.50	
52	60.0	3.58	14.97	7.35	3.58	0.00	8.16	1.503E-03	.763	.634	1.191E-04	10.24	.75	.50	
53	60.0	7.24	14.78	7.16	7.24	0.00	9.82	4.338E-04	.226	.171	9.614E-06	9.63	.71	.50	
54	60.0	7.89	14.88	7.26	7.62	.31	10.10	1.031E-04	.055	.041	5.518E-07	9.51	.70	.50	.241
55	60.0	9.69	14.92	7.30	7.62	1.11	10.13	7.566E-05	.040	.030	2.970E-07	9.50	.70	.50	.177
56	60.0	9.90	14.87	7.25	7.62	2.32	10.09	6.657E-05	.035	.026	2.298E-07	9.51	.70	.50	.156
57	60.0	11.28	14.88	7.26	7.62	3.70	10.10	1.915E-05	.010	.008	1.902E-08	9.51	.70	.50	.045
58	60.0	12.55	14.86	7.24	7.62	4.97	10.09	3.360E-05	.018	.013	5.879E-08	9.52	.70	.50	.079
59	60.0	13.20	14.87	7.25	7.62	5.62	10.09	2.951E-05	.016	.012	4.515E-08	9.52	.70	.50	.069
60	60.0	-7.14	15.24	7.62	-7.14	.27	3.03	6.197E-03	2.517	2.449	1.518E-03	11.40	.82	.58	.739
61	60.0	-7.35	15.24	7.62	-7.35	1.17	2.93	1.703E-03	.690	.673	1.144E-04	11.41	.82	.50	.203
62	60.0	-7.13	15.24	7.62	-7.13	2.34	3.04	3.097E-04	.126	.122	3.791E-06	11.40	.82	.50	.037
63	60.0	-7.19	15.24	7.62	-7.19	3.71	3.00	1.466E-04	.043	.042	4.488E-07	11.40	.82	.50	.013
64	60.0	-7.14	15.24	7.62	-7.14	5.02	3.03	3.060E-05	.012	.012	3.702E-08	11.40	.82	.50	.004
65	60.0	-7.14	15.24	7.62	-7.14	5.63	3.03	2.060E-05	.008	.008	1.690E-08	11.40	.82	.50	.002
66	60.0	-3.44	15.24	7.62	-3.44	.36	4.88	1.436E-03	.604	.567	8.445E-05	11.11	.80	.50	.518
67	60.0	-3.44	15.24	7.62	-3.44	1.19	4.88	4.024E-04	.169	.159	6.632E-06	11.11	.80	.50	.145
68	60.0	-3.45	15.24	7.62	-3.45	2.44	4.87	1.261E-04	.053	.050	6.514E-07	11.11	.80	.50	.046
69	60.0	-3.51	15.24	7.62	-3.51	3.74	4.85	8.103E-05	.034	.032	2.688E-07	11.11	.80	.50	.029
70	60.0	-3.46	15.24	7.62	-3.46	5.04	4.87	2.713E-05	.011	.011	3.013E-08	11.11	.80	.50	.010
71	60.0	-3.41	15.24	7.62	-3.40	5.81	4.90	2.324E-05	.010	.009	2.213E-08	11.10	.80	.50	.008
72															
73	60.0	0.00	15.24	7.62	0.00	1.15	6.60	1.522E-04	.072	.064	1.135E-06	10.71	.78	.50	.082
74	60.0	0.00	15.24	7.62	0.00	2.37	6.60	8.728E-05	.039	.034	3.288E-07	10.71	.78	.50	.044
75	60.0	0.00	15.24	7.62	0.00	3.70	6.60	5.339E-05	.024	.021	1.230E-07	10.71	.78	.50	.027
76	60.0	0.00	15.24	7.62	0.00	5.09	6.60	5.409E-05	.024	.021	1.263E-07	10.71	.78	.50	.027
77	60.0	0.00	15.24	7.62	0.00	5.74	6.60	2.601E-05	.012	.010	2.919E-08	10.71	.78	.50	.013
78	60.0	3.59	15.24	7.62	3.59	.38	8.39	5.348E-04	.244	.199	1.198E-05	10.16	.74	.50	.319
79	60.0	3.63	15.24	7.62	3.63	1.17	8.41	1.365E-04	.066	.054	8.770E-07	10.15	.74	.50	.086
80	60.0	3.63	15.24	7.62	3.60	2.42	8.40	7.538E-05	.036	.030	2.672E-07	10.16	.74	.50	.048
81	60.0	3.55	15.24	7.62	3.55	3.76	8.37	4.865E-05	.023	.019	1.111E-07	10.17	.74	.50	.031
82	60.0	3.53	15.24	7.62	3.58	5.08	8.39	4.379E-05	.021	.017	9.010E-08	10.16	.74	.50	.028
83	60.0	3.62	15.24	7.62	3.62	5.79	8.41	9.364E-06	.005	.004	4.126E-09	10.16	.74	.50	.006
84	60.0	7.33	15.24	7.62	7.33	.31	10.26	1.737E-04	.093	.069	1.580E-06	9.44	.70	.50	.410
85	60.0	7.36	15.24	7.62	7.36	1.09	10.28	6.511E-05	.035	.026	2.221E-07	9.44	.70	.50	.154
86	60.0	7.35	15.24	7.62	7.36	2.36	10.28	6.163E-05	.033	.024	2.003E-07	9.44	.70	.50	.146
87	60.0	7.33	15.24	7.62	7.33	3.74	10.26	2.805E-05	.015	.011	4.120E-08	9.44	.70	.50	.066
88	60.0	7.33	15.24	7.62	7.33	5.03	10.26	1.546E-05	.008	.006	1.252E-08	9.44	.70	.50	.037
89	60.0	7.35	15.24	7.62	7.35	5.66	10.27	3.375E-05	.018	.013	5.968E-08	9.44	.70	.50	.088

489

RETRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

...EAT TEST (93), MOAC-E PSI GAPS, RUN (148) 1973

MACH = 12.230
RX ERR = 8.146E-12
RL ERR = 8.372E-02
RE/METER = 3.296E+06
HT = 2.554E+03(W/M2- K)
TW = 300.3 (K)
STEP = .254(CM)

TT = 9.980E+02(K)
PI = 5.179E+06(N/M2)
T1 = 4.699E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .711 (CM)
CONF =STAG

TAW/TT =0.895 FOR HT/HO
...URF =SURFACE DISTANCE
(FLOW DIRECTION)
(0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

PH	GAMMA (DEG)	SURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	45.0	-13.79	7.62	3.00	-7.62	5.70	-5.39	2.829E-05	.013	.011	3.441E-08	10.88	.79	.50	.004
10	45.0	-12.72	7.62	3.00	-7.62	5.03	-5.39	4.773E-05	.021	.019	9.797E-08	10.88	.79	.50	.006
11	45.0	-11.64	7.62	3.00	-7.62	3.74	-5.39	1.437E-04	.064	.057	8.878E-07	10.88	.79	.50	.019
12	45.0	-10.09	7.62	0.00	-7.62	2.36	-5.39	3.881E-04	.172	.153	6.474E-06	10.88	.79	.50	.051
13	45.0	-8.97	7.62	3.00	-7.62	1.14	-5.39	1.703E-03	.753	.673	1.249E-04	10.88	.79	.50	.224
14	45.0	-8.36	7.62	0.00	-7.62	.33	-5.39	6.492E-03	2.866	2.561	1.807E-03	10.88	.79	.50	.854
15															
16	45.0	-3.63	7.62	0.00	-3.63	0.00	-2.57	3.502E-03	1.452	1.423	5.088E-04	11.39	.82	.50	
17	45.0	0.00	7.62	0.00	0.00	0.00	0.00	2.975E-03	1.176	1.176	3.401E-04	11.56	.83	.50	
18	45.0	3.54	7.62	0.00	3.54	0.00	2.51	2.916E-03	1.173	1.150	3.319E-04	11.45	.82	.50	
19	45.0	7.27	7.62	0.00	7.27	3.08	5.14	2.075E-03	.879	.820	1.773E-04	11.06	.80	.50	
20	45.0	7.97	7.62	0.00	7.62	.41	5.39	5.479E-06	.002	.002	1.246E-09	11.00	.80	.50	.003
21	45.0	8.72	7.62	0.00	7.62	1.17	5.39	1.507E-04	.069	.064	1.072E-06	11.00	.80	.50	.078
22	45.0	9.94	7.62	0.00	7.62	2.39	5.39	7.225E-05	.031	.029	2.167E-07	11.00	.80	.50	.035
23	45.0	11.25	7.62	0.00	7.62	3.70	5.39	2.924E-05	.012	.012	3.543E-08	11.00	.80	.50	.014
24	45.0	12.62	7.62	0.00	7.62	5.07	5.39	2.225E-05	.009	.009	2.055E-08	11.00	.80	.50	.011
25	45.0	13.28	7.62	0.00	7.62	5.73	5.39	3.724E-05	.016	.015	5.757E-08	11.00	.80	.50	.018
26	45.0	-13.35	11.38	3.76	-7.62	5.70	-2.73	4.020E-05	.016	.016	6.362E-08	11.37	.82	.50	.005
27	45.0	-12.69	11.42	3.80	-7.62	5.04	-2.70	1.116E-04	.045	.044	4.898E-07	11.37	.82	.50	.013
28	45.0	-11.36	11.38	3.76	-7.62	3.72	-2.73	3.433E-04	.139	.136	4.639E-06	11.37	.82	.50	.039
29	45.0	-10.08	11.43	3.81	-7.62	2.44	-2.69	7.543E-04	.309	.302	2.298E-05	11.37	.82	.50	.087
30	45.0	-8.90	11.42	3.80	-7.62	1.16	-2.68	1.919E-03	.776	.758	1.448E-04	11.37	.82	.50	.218
31															
32															
33	45.0	-3.71	11.54	3.92	-3.71	0.00	.15	3.943E-03	1.520	1.519	5.683E-04	11.56	.83	.50	
34	45.0	0.00	11.57	3.95	0.00	0.00	2.79	2.851E-03	1.154	1.127	3.198E-04	11.42	.82	.50	
35	45.0	3.59	11.51	3.89	3.59	0.00	5.29	2.477E-03	1.054	.979	2.540E-04	11.02	.80	.50	
36	45.0	7.28	11.36	3.74	7.28	3.00	7.79	1.556E-03	.724	.615	1.096E-04	10.36	.76	.50	
37	45.0	7.97	11.41	3.79	7.62	.37	8.07	3.810E-04	.181	.151	6.713E-06	10.27	.75	.50	.250
38	45.0	8.76	11.36	3.74	7.62	1.15	8.03	1.039E-04	.049	.041	4.960E-07	10.28	.75	.50	.008
39	45.0	8.95	11.42	3.80	7.62	2.35	8.08	3.298E-05	.016	.013	5.011E-08	10.27	.75	.50	.022
40	45.0	11.22	11.42	3.81	7.62	3.62	8.37	2.584E-05	.013	.011	3.319E-08	10.27	.75	.50	.018
41	45.0	12.48	11.29	3.67	7.62	5.04	7.98	2.576E-05	.013	.011	3.279E-08	10.30	.75	.50	.017
42	45.0	13.28	11.24	3.62	7.62	5.69	7.95	2.952E-05	.014	.012	3.984E-08	10.31	.75	.50	.019
43	45.0	-13.37	14.97	7.35	-7.62	5.70	-.19	1.958E-05	.009	.008	1.491E-08	11.55	.83	.50	.003
44	45.0	-12.67	14.95	7.33	-7.62	4.91	-.21	4.989E-05	.020	.020	9.580E-08	11.55	.83	.50	.007
45	45.0	-11.39	14.94	7.32	-7.62	3.72	-.22	1.887E-04	.075	.075	1.373E-06	11.55	.83	.50	.025
46	45.0	-10.13	14.98	7.36	-7.62	2.37	-.19	4.706E-04	.189	.189	8.815E-06	11.55	.83	.50	.063

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CH	GAMMA (DEG)	YSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	45.0	-8.82	14.97	7.35	-7.62	1.16	-.19	1.654E-03	.655	.654	1.053E-04	11.55	.83	.50	.217
48	45.0	-7.99	14.68	7.26	-7.62	.33	-.25	6.442E-03	2.551	2.546	1.598E-03	11.55	.83	.50	.847
49															
50	45.0	-3.69	14.95	7.33	-3.69	3.00	2.58	2.856E-03	1.152	1.128	3.198E-04	11.45	.82	.50	
51	45.0	0.00	15.02	7.40	0.00	3.00	5.23	1.796E-03	.763	.710	1.333E-04	11.84	.80	.50	
52	45.0	3.59	14.97	7.35	3.58	3.00	7.73	1.401E-03	.650	.554	8.852E-05	10.39	.76	.50	
53	45.0	7.24	14.78	7.16	7.24	3.00	10.18	4.441E-04	.238	.175	1.027E-05	9.48	.70	.50	
54	45.0	7.89	14.84	7.26	7.62	.31	10.52	1.610E-04	.088	.064	1.376E-06	9.33	.69	.50	.369
55	45.0	8.69	14.92	7.30	7.62	1.11	10.55	5.528E-05	.030	.022	1.624E-07	9.32	.69	.50	.127
56	45.0	8.90	14.87	7.25	7.62	2.32	10.52	2.748E-05	.015	.011	4.086E-08	9.33	.69	.50	.063
57	45.0	11.29	14.89	7.26	7.62	3.70	10.52	2.457E-05	.013	.010	3.204E-08	9.33	.69	.50	.056
58	45.0	12.55	14.96	7.24	7.62	4.97	10.51	1.786E-05	.010	.007	1.692E-08	9.34	.69	.50	.041
59	45.0	13.23	14.87	7.25	7.62	5.62	10.52	3.068E-06	.002	.001	4.799E-10	9.33	.69	.50	.007
60	45.0	-7.14	15.24	7.62	-7.14	.27	.34	5.094E-03	2.018	2.013	9.997E-04	11.56	.83	.50	.670
61	45.0	-7.35	15.24	7.62	-7.35	1.17	.19	1.206E-03	.477	.477	5.598E-05	11.56	.83	.50	.158
62	45.0	-7.13	15.24	7.62	-7.13	2.34	.35	4.001E-04	.159	.158	6.169E-06	11.56	.83	.50	.053
63	45.0	-7.19	15.24	7.62	-7.19	3.71	.30	1.527E-04	.060	.060	8.985E-07	11.56	.83	.50	.020
64	45.0	-7.14	15.24	7.62	-7.14	5.02	.34	6.593E-05	.026	.026	1.675E-07	11.56	.83	.50	.009
65	45.0	-7.14	15.24	7.62	-7.14	5.63	.34	2.904E-05	.012	.011	3.250E-08	11.56	.83	.50	.004
66	45.0	-3.44	15.24	7.62	-3.44	.36	2.95	1.429E-03	.580	.565	8.053E-05	11.41	.82	.50	.503
67	45.0	-3.44	15.24	7.62	-3.44	1.19	2.95	5.171E-04	.210	.204	1.055E-05	11.41	.82	.50	.182
68	45.0	-3.45	15.24	7.62	-3.45	2.44	2.95	1.439E-04	.059	.057	8.173E-07	11.41	.82	.50	.051
69	45.0	-3.50	15.24	7.62	-3.50	3.74	2.91	5.347E-05	.022	.021	1.127E-07	11.41	.82	.50	.019
70	45.0	-3.45	15.24	7.62	-3.46	5.04	2.94	2.357E-05	.010	.009	2.190E-08	11.41	.82	.50	.008
71	45.0	-3.40	15.24	7.62	-3.40	5.81	2.99	2.713E-05	.011	.011	2.905E-08	11.40	.82	.50	.010
72	45.0	0.00	15.24	7.62	0.00	.38	5.39	3.365E-06	.002	.002	6.525E-10	11.00	.80	.50	.002
73	45.0	0.00	15.24	7.62	0.00	1.15	5.39	1.775E-04	.076	.070	1.307E-06	11.00	.80	.50	.099
74	45.0	0.00	15.24	7.62	0.00	2.37	5.39	7.844E-05	.033	.031	2.554E-07	11.00	.80	.50	.044
75	45.0	0.00	15.24	7.62	0.00	3.70	5.39	4.965E-05	.021	.019	9.986E-08	11.00	.80	.50	.027
76	45.0	0.00	15.24	7.62	0.00	4.99	5.39	2.545E-05	.011	.010	2.689E-08	11.00	.80	.50	.014
77	45.0	0.00	15.24	7.62	0.00	5.74	5.39	4.383E-05	.017	.016	6.921E-09	11.00	.80	.50	.023
78	45.0	3.59	15.24	7.62	3.59	.38	7.93	3.492E-04	.164	.138	5.566E-06	10.32	.75	.50	.252
79	45.0	3.63	15.24	7.62	3.63	1.17	7.95	1.532E-04	.077	.064	1.217E-06	10.31	.75	.50	.118
80	45.0	3.60	15.24	7.62	3.60	2.42	7.93	5.355E-05	.025	.021	1.310E-07	10.31	.75	.50	.039
81	45.0	3.55	15.24	7.62	3.55	3.76	7.90	4.410E-05	.021	.017	9.864E-08	10.33	.75	.50	.032
82	45.0	3.58	15.24	7.62	3.58	5.08	7.92	4.752E-05	.022	.019	1.030E-07	10.32	.75	.50	.034
83	45.0	3.62	15.24	7.62	3.62	6.79	7.95	1.428E-05	.007	.006	9.323E-09	10.31	.75	.50	.010
84	45.0	7.33	15.24	7.62	7.33	.31	10.57	1.176E-04	.059	.043	6.161E-07	9.31	.69	.50	.247
85	45.0	7.36	15.24	7.62	7.36	1.09	10.59	3.058E-05	.017	.012	4.379E-08	9.30	.69	.50	.070
86	45.0	7.38	15.24	7.62	7.38	2.36	10.59	3.804E-05	.021	.015	7.706E-09	9.30	.69	.50	.088
87	45.0	7.33	15.24	7.62	7.33	3.74	10.57	1.841E-05	.010	.007	1.802E-09	9.31	.69	.50	.042
88	45.0	7.33	15.24	7.62	7.33	5.03	10.57	2.342E-05	.013	.009	2.919E-08	9.31	.69	.50	.054
89	45.0	7.35	15.24	7.62	7.35	5.66	10.59	1.420E-05	.008	.006	1.674E-09	9.30	.69	.50	.033

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (92), MDAC-E RSI GAPS, RUN (149) 1973

MACH = 10.290
RX E06 = 3.347E-01
RL E06 = 8.369E-02
REYNOLDS = 3.205E+06
HO = 2.554E+08(N/M2- K)
TW = 300.6 (K)
STEP = .254(CM)

TT = 9.981E+02(K)
PI = 5.178E+06(N/M2)
T1 = 4.699E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.033E+01(KG/M2-S)
GAP = .711 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	Hf (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	-7.62	5.70	-7.62	2.789E-05	.014	.011	3.722E-08	10.24	.74	.50	.010
10	0.0	0.00	7.62	0.00	-7.62	5.03	-7.62	3.407E-05	.017	.013	5.555E-08	10.24	.74	.50	.012
11	0.0	0.00	7.62	0.00	-7.62	3.74	-7.62	4.729E-05	.023	.019	1.070E-07	10.24	.74	.50	.017
12	0.0	0.00	7.62	0.00	-7.62	2.36	-7.62	3.550E-05	.017	.014	6.030E-08	10.24	.74	.50	.012
13	0.0	0.00	7.62	0.00	-7.62	1.14	-7.62	2.365E-04	.116	.093	2.676E-06	10.24	.74	.50	.083
14	0.0	0.00	7.62	0.00	-7.62	.33	-7.62	1.782E-03	.877	.704	1.520E-04	10.24	.74	.58	.622
15	0.0	0.00	7.62	0.00	-7.29	0.00	-7.29	2.911E-03	1.409	1.150	3.991E-04	10.35	.75	.50	
16	0.0	0.00	7.62	0.00	-3.63	0.00	-3.63	3.261E-03	1.345	1.289	4.268E-04	11.24	.81	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.252E-03	1.289	1.289	4.089E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	3.54	0.00	3.54	3.186E-03	1.304	1.259	4.042E-04	11.33	.82	.50	
19	0.0	0.00	7.62	0.00	7.27	0.00	7.27	3.115E-03	1.416	1.231	4.291E-04	10.52	.77	.50	
20	0.0	0.00	7.62	0.00	7.62	.41	7.62	2.264E-06	.001	.001	2.296E-10	10.41	.76	.50	.001
21	0.0	0.00	7.62	0.00	7.62	1.17	7.62	2.522E-04	.121	.104	3.080E-06	10.41	.76	.50	.085
22	0.0	0.00	7.62	0.00	7.62	2.39	7.62	7.528E-05	.035	.030	2.606E-07	10.41	.76	.50	.025
23	0.0	0.00	7.62	0.00	7.62	3.70	7.62	5.931E-05	.027	.023	1.575E-07	10.41	.76	.50	.019
24	0.0	0.00	7.62	0.00	7.62	5.07	7.62	6.324E-05	.029	.025	1.791E-07	10.41	.76	.50	.021
25	0.0	0.00	7.62	0.00	7.62	5.73	7.62	4.383E-05	.020	.017	8.601E-08	10.41	.76	.50	.014
26	0.0	-3.76	3.86	-3.76	-7.62	5.70	-7.62	2.214E-05	.011	.009	2.345E-09	10.24	.74	.50	.807
27	0.0	-3.80	3.82	-3.80	-7.62	5.04	-7.62	3.451E-05	.017	.014	5.698E-08	10.24	.74	.50	.011
28	0.0	-3.76	3.86	-3.76	-7.62	3.72	-7.62	5.828E-05	.029	.023	1.626E-07	10.24	.74	.50	.019
29	0.0	-3.81	3.81	-3.81	-7.62	2.44	-7.62	6.244E-05	.031	.025	1.866E-07	10.24	.74	.50	.021
30	0.0	-3.83	3.80	-3.83	-7.62	1.16	-7.62	1.921E-04	.094	.076	1.766E-06	10.24	.74	.50	.064
31	0.0	-3.97	3.75	-3.97	-7.62	.33	-7.62	1.822E-03	.896	.720	1.508E-04	10.24	.74	.50	.602
32	0.0	-3.73	3.83	-3.79	-7.24	0.00	-7.24	3.081E-03	1.488	1.218	4.460E-04	10.36	.75	.50	
33	0.0	-3.92	3.70	-3.92	-3.71	0.00	-3.71	3.796E-03	1.569	1.500	5.792E-04	11.22	.81	.50	
34	0.0	-3.95	3.67	-3.95	0.00	0.00	0.00	3.593E-03	1.459	1.459	5.242E-04	11.56	.83	.50	
35	0.0	-3.89	3.73	-3.89	3.59	0.00	3.59	3.581E-03	1.508	1.455	5.399E-04	11.32	.82	.50	
36	0.0	-3.74	3.88	-3.74	7.28	0.00	7.28	3.144E-03	1.429	1.242	4.371E-04	10.52	.77	.50	
37	0.0	-3.79	3.83	-3.79	7.62	.37	7.62	1.506E-03	.739	.635	1.155E-04	10.41	.76	.50	.517
38	0.0	-3.74	3.88	-3.74	7.62	1.15	7.62	1.847E-04	.085	.073	1.528E-06	10.41	.76	.50	.059
39	0.0	-3.80	3.82	-3.80	7.62	2.35	7.62	9.033E-05	.042	.036	3.654E-07	10.41	.76	.50	.029
40	0.0	-3.80	3.82	-3.80	7.62	3.62	7.62	7.121E-05	.033	.028	2.271E-07	10.41	.76	.50	.023
41	0.0	-3.67	3.95	-3.67	7.62	5.04	7.62	5.230E-05	.024	.021	1.229E-07	10.41	.76	.50	.017
42	0.0	-3.62	4.00	-3.62	7.62	5.69	7.62	2.202E-05	.010	.009	2.171E-08	10.41	.76	.50	.007
43	0.0	-7.35	.27	-7.35	-7.62	5.70	-7.62	3.856E-06	.002	.002	7.114E-10	10.24	.74	.50	.001
44	0.0	-7.33	.29	-7.33	-7.62	4.91	-7.62	6.492E-05	.032	.026	2.017E-07	10.24	.74	.50	.014
45	0.0	-7.32	.31	-7.32	-7.62	3.72	-7.62	2.005E-04	.099	.079	1.923E-06	10.24	.74	.50	.042
46	0.0	-7.36	.26	-7.36	-7.62	2.37	-7.62	2.661E-04	.131	.105	3.389E-06	10.24	.74	.50	.056

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CEHT TEST (32), M73C-F PSI GAPS, RUN (149) 1973

CM	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	-7.35	.27	-7.35	-7.62	1.16	-7.62	5.911E-04	.291	.234	1.672E-05	10.24	.74	.50	.125
48	0.0	-7.26	.36	-7.26	-7.62	.33	-7.62	2.958E-03	1.460	1.173	4.217E-04	10.24	.74	.50	.626
49	0.0	-7.27	.35	-7.27	-7.30	0.00	-7.30	4.521E-03	2.335	1.905	1.095E-03	10.34	.75	.50	
50															
51	0.0	-7.40	.22	-7.40	0.00	0.00	0.00	7.198E-03	2.844	2.844	1.992E-03	11.56	.83	.50	
52															
53	0.0	-7.16	.46	-7.16	7.24	0.00	7.24	5.085E-03	2.309	2.009	1.142E-03	10.53	.77	.50	
54	0.0	-7.26	.36	-7.26	7.62	.31	7.62	3.236E-03	1.489	1.278	4.688E-04	10.41	.76	.50	.645
55	0.0	-7.30	.32	-7.30	7.62	1.11	7.62	7.386E-04	.336	.289	2.391E-05	10.41	.76	.50	.146
56	0.0	-7.25	.37	-7.25	7.62	2.32	7.62	2.809E-04	.129	.111	3.534E-06	10.41	.76	.50	.056
57	0.0	-7.26	.36	-7.26	7.62	3.70	7.62	2.035E-04	.094	.080	1.855E-06	10.41	.76	.50	.041
58	0.0	-7.24	.38	-7.24	7.62	4.97	7.62	6.227E-05	.029	.025	1.736E-07	10.41	.76	.50	.012
59	0.0	-7.25	.37	-7.25	7.62	5.62	7.62	1.872E-05	.009	.007	1.569E-08	10.41	.76	.50	.004
60	0.0	-7.46	0.00	-7.62	-7.14	.27	-7.14	3.793E-03	1.822	1.499	6.723E-04	10.39	.75	.50	.781
61	0.0	-8.75	0.00	-7.62	-7.35	1.17	-7.35	9.935E-04	.482	.393	4.660E-05	10.33	.75	.50	.207
62	0.0	-9.92	0.00	-7.62	-7.13	2.34	-7.13	4.010E-04	.193	.158	7.511E-06	10.40	.75	.50	.082
63	0.0	-11.29	0.00	-7.62	-7.19	3.71	-7.19	2.481E-04	.119	.098	2.884E-06	10.39	.75	.50	.051
64	0.0	-12.60	0.00	-7.62	-7.14	5.02	-7.14	6.834E-05	.033	.027	2.183E-07	10.39	.75	.50	.014
65	0.0	-13.24	0.00	-7.62	-7.14	5.63	-7.14	2.503E-05	.013	.010	3.166E-08	10.39	.75	.50	.005
66	0.0	-7.38	0.00	-7.62	-3.44	.36	-3.44	6.427E-03	2.641	2.540	1.651E-03	11.27	.81	.50	.836
67	0.0	-8.81	0.00	-7.62	-3.44	1.19	-3.44	1.547E-03	.636	.611	9.566E-05	11.27	.81	.50	.201
68	0.0	-10.05	0.00	-7.62	-3.45	2.44	-3.45	4.785E-04	.197	.189	9.155E-06	11.26	.81	.50	.062
69	0.0	-11.35	0.00	-7.62	-3.50	3.74	-3.50	2.154E-04	.089	.085	1.857E-06	11.26	.81	.50	.028
70	0.0	-12.65	0.00	-7.62	-3.46	5.04	-3.46	7.883E-05	.032	.031	2.485E-07	11.26	.81	.50	.010
71	0.0	-13.42	0.00	-7.62	-3.40	5.81	-3.40	3.369E-05	.014	.013	4.534E-08	11.27	.81	.50	.004
72															
73	0.0	-0.85	0.00	-7.62	0.00	1.15	0.00	1.365E-03	.539	.539	7.155E-05	11.56	.83	.50	.190
74	0.0	-10.07	0.00	-7.62	0.00	2.37	0.00	3.987E-04	.157	.157	6.049E-06	11.56	.83	.50	.055
75	0.0	-11.47	0.00	-7.62	0.00	3.70	0.00	1.724E-04	.068	.068	1.142E-06	11.56	.83	.50	.024
76	0.0	-12.61	0.00	-7.62	0.00	4.99	0.00	5.526E-05	.022	.022	1.174E-07	11.56	.83	.50	.008
77	0.0	-13.43	0.00	-7.62	0.00	5.74	0.00	4.424E-05	.017	.017	7.523E-08	11.56	.83	.50	.006
78	0.0	-8.44	0.00	-7.62	3.59	.38	3.59	5.970E-03	2.445	2.359	1.420E-03	11.32	.82	.50	.813
79	0.0	-9.8	0.00	-7.62	3.63	1.17	3.63	1.568E-03	.642	.619	9.796E-05	11.32	.82	.50	.214
80	0.0	-10.0	0.00	-7.62	3.60	2.42	3.60	4.148E-04	.170	.164	6.856E-06	11.32	.82	.50	.056
81	0.0	-11.4	0.00	-7.62	3.55	3.76	3.55	1.957E-04	.081	.078	1.541E-06	11.33	.82	.50	.027
82	0.0	-12.7	0.00	-7.62	3.58	5.08	3.58	5.126E-05	.021	.020	1.047E-07	11.33	.82	.50	.007
83	0.0	-13.4	0.00	-7.62	3.62	5.79	3.62	3.147E-05	.013	.012	3.947E-08	11.32	.82	.50	.004
84	0.0	-7.8	0.00	-7.62	7.33	.31	7.33	4.755E-03	2.171	1.883	1.086E-03	10.50	.76	.50	.940
85	0.0	-9.5	0.00	-7.62	7.36	1.09	7.36	1.255E-03	.572	.496	6.986E-05	10.49	.76	.50	.248
86	0.0	-9.8	0.00	-7.62	7.36	2.36	7.36	3.829E-04	.175	.151	6.505E-06	10.49	.76	.50	.076
87	0.0	-11.23	0.00	-7.62	7.33	3.74	7.33	2.414E-04	.110	.095	2.581E-06	10.50	.76	.50	.048
88	0.0	-12.52	0.00	-7.62	7.33	5.03	7.33	5.237E-05	.024	.021	1.215E-07	10.50	.76	.50	.010
89	0.0	-13.6	0.00	-7.62	7.35	5.66	7.35	1.845E-05	.008	.007	1.509E-08	10.50	.76	.50	.004

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

MACH = 10.290
PX EQ6 = 3.763E-01
PL EQ6 = 8.394E-02
RE/METER = 3.301E+06
HO = 2.554E+00(W/M2- K)
TW = 301.3 (K)
STEP = .254(CM)

TT = 9.973E+02(K)
PI = 5.179E+06(N/M2)
T1 = 4.695E+01(K)
P1 = 0.984E+02(N/M2)
(PHO V)1 = 1.034E+01(KG/M2-S)
GAP = .711 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OF 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	-7.62	5.70	-7.55	2.517E-05	.013	.010	3.265E-08	10.26	.75	.50	.007
10	7.5	0.00	7.62	0.00	-7.62	5.03	-7.55	3.877E-05	.019	.015	7.165E-08	10.26	.75	.50	.010
11	7.5	0.00	7.62	0.00	-7.62	3.74	-7.55	3.511E-05	.018	.014	6.215E-08	10.26	.75	.50	.009
12	7.5	0.00	7.62	0.00	-7.62	2.35	-7.55	4.794E-05	.024	.019	1.096E-07	10.26	.75	.50	.012
13	7.5	0.00	7.62	0.00	-7.62	1.14	-7.55	4.574E-04	.224	.181	9.973E-06	10.26	.75	.50	.17
14	7.5	0.00	7.62	0.00	-7.62	.33	-7.55	2.994E-03	1.468	1.183	4.273E-04	10.26	.75	.50	.766
15	7.5	0.00	7.62	0.00	-7.29	0.00	-7.23	3.973E-03	1.918	1.570	7.407E-04	10.37	.75	.50	
16	7.5	0.00	7.62	0.00	-3.63	0.00	-3.60	3.208E-03	1.322	1.267	4.123E-04	11.24	.81	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.229E-03	1.276	1.276	4.805E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	3.54	0.00	3.51	3.193E-03	1.306	1.262	4.054E-04	11.34	.82	.50	
19	7.5	0.00	7.62	0.00	7.27	0.00	7.20	2.743E-03	1.244	1.084	3.318E-04	10.54	.77	.50	
20	7.5	0.00	7.62	0.00	7.62	.41	7.55	8.840E-06	.004	.003	3.488E-09	10.43	.76	.50	.003
21	7.5	0.00	7.62	0.00	7.62	1.17	7.55	1.873E-04	.086	.074	1.567E-06	10.43	.76	.50	.069
22	7.5	0.00	7.62	0.00	7.62	2.39	7.55	8.017E-05	.037	.032	2.869E-07	10.43	.76	.50	.030
23	7.5	0.00	7.62	0.00	7.62	3.70	7.55	4.688E-05	.022	.019	9.810E-08	10.43	.76	.50	.017
24	7.5	0.00	7.62	0.00	7.62	5.07	7.55	4.196E-05	.019	.016	7.713E-08	10.43	.76	.50	.015
25	7.5	0.00	7.62	0.00	7.62	5.73	7.55	2.867E-05	.013	.011	3.669E-08	10.43	.76	.50	.011
26	7.5	-3.75	3.86	-3.76	-7.62	5.78	-8.05	1.045E-05	.005	.004	5.366E-09	10.09	.74	.50	.003
27	7.5	-3.81	3.82	-3.80	-7.62	5.04	-8.05	3.523E-05	.018	.014	6.089E-08	10.09	.73	.50	.010
28	7.5	-3.76	3.86	-3.76	-7.62	3.72	-8.05	5.006E-05	.025	.020	1.229E-07	10.09	.74	.50	.015
29	7.5	-3.81	3.81	-3.81	-7.62	2.44	-8.05	1.744E-05	.009	.007	1.493E-08	10.09	.73	.50	.005
30	7.5	-3.83	3.79	-3.83	-7.62	1.16	-8.05	3.126E-04	.158	.124	4.795E-06	10.09	.73	.50	.092
31	7.5	-3.87	3.75	-3.87	-7.62	.33	-8.06	2.516E-03	1.271	.995	3.111E-04	10.09	.73	.50	.744
32	7.5	-3.73	3.83	-3.79	-7.24	0.00	-7.67	3.463E-03	1.709	1.368	5.754E-04	10.22	.74	.50	
33	7.5	-3.92	3.70	-3.92	-3.71	0.00	-4.19	3.530E-03	1.527	1.434	5.388E-04	11.14	.80	.50	
34	7.5	-3.95	3.67	-3.95	0.00	0.00	-.52	3.573E-03	1.457	1.451	5.203E-04	11.55	.83	.50	
35	7.5	-3.89	3.73	-3.89	3.59	0.00	3.05	3.716E-03	1.510	1.468	5.452E-04	11.39	.82	.50	
36	7.5	-3.74	3.88	-3.74	7.28	0.00	6.73	3.208E-03	1.426	1.265	4.436E-04	10.68	.78	.50	
37	7.5	-3.79	3.83	-3.79	7.62	.37	7.06	1.453E-03	.656	.574	9.262E-05	10.58	.77	.58	.460
38	7.5	-3.74	3.88	-3.74	7.62	1.15	7.07	1.618E-04	.073	.064	1.148E-06	10.58	.77	.50	.051
39	7.5	-3.83	3.82	-3.83	7.62	2.35	7.06	8.295E-05	.037	.033	3.017E-07	10.58	.77	.50	.026
40	7.5	-3.83	3.82	-3.80	7.62	3.62	7.06	8.154E-05	.037	.032	2.923E-07	10.58	.77	.50	.026
41	7.5	-3.67	3.95	-3.67	7.62	5.04	7.08	4.223E-05	.019	.017	7.824E-08	10.58	.77	.50	.013
42	7.5	-3.62	4.01	-3.62	7.62	5.68	7.08	2.321E-05	.010	.009	2.364E-08	10.58	.77	.50	.007
43	7.5	-7.35	.27	-7.35	-7.62	5.70	-8.51	3.156E-05	.016	.012	5.018E-08	9.92	.72	.50	.008
44	7.5	-7.33	.29	-7.33	-7.62	4.91	-8.51	4.527E-05	.023	.018	1.032E-07	9.92	.72	.50	.012
45	7.5	-7.32	.30	-7.32	-7.62	3.72	-8.51	1.135E-04	.059	.045	6.488E-07	9.92	.72	.50	.030
46	7.5	-7.36	.26	-7.36	-7.62	2.37	-8.51	1.507E-04	.078	.060	1.145E-06	9.92	.72	.50	.039

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (92), MOAC-E RSI GAPS, RUN (150) 1973 PAGE 304

CH	GAMMA (DEG)	YSURF (CM)	YP (CM)	YC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUR-L (CM)	HT/HE
47	7.5	-7.35	.27	-7.35	-7.62	1.16	-8.51	3.896E-04	.202	.154	7.646E-06	9.92	.72	.50	.102
48	7.5	-7.26	.36	-7.26	-7.62	.33	-8.50	2.506E-03	1.294	.988	3.145E-04	9.93	.72	.50	.654
49	7.5	-7.27	.35	-7.27	-7.30	3.00	-8.19	3.895E-03	1.981	1.539	7.499E-04	10.04	.73	.50	
50															
51	7.5	-7.40	.22	-7.40	0.30	0.00	-.97	7.983E-03	2.820	2.799	1.942E-03	11.53	.83	.50	
52															
53	7.5	-7.15	.46	-7.16	7.24	0.00	6.25	6.780E-03	2.970	2.679	1.957E-03	10.80	.78	.50	
54	7.5	-7.26	.36	-7.26	7.62	.31	6.61	4.555E-03	2.021	1.800	8.949E-04	10.71	.78	.50	.680
55	7.5	-7.30	.32	-7.30	7.62	1.11	6.60	1.169E-03	.518	.462	5.891E-05	10.71	.78	.50	.175
56	7.5	-7.25	.37	-7.25	7.62	2.32	6.61	3.442E-04	.153	.136	5.109E-06	10.71	.78	.50	.051
57	7.5	-7.26	.36	-7.26	7.62	3.70	6.61	2.041E-04	.091	.081	1.796E-06	10.71	.78	.50	.030
58	7.5	-7.24	.39	-7.24	7.62	4.97	6.61	5.170E-05	.023	.020	1.153E-07	10.71	.78	.50	.008
59	7.5	-7.25	.37	-7.25	7.62	5.62	6.61	2.979E-05	.013	.012	3.827E-08	10.71	.78	.50	.004
60	7.5	-7.95	0.30	-7.62	-7.14	.27	-9.00	2.970E-03	1.501	1.174	4.334E-04	10.38	.73	.50	.758
61	7.5	-8.75	1.00	-7.62	-7.35	1.17	-8.28	5.904E-04	.302	.233	1.732E-05	10.01	.73	.50	.152
62	7.5	-9.92	0.30	-7.62	-7.13	2.34	-8.36	2.293E-04	.116	.091	2.579E-06	10.09	.73	.50	.059
63	7.5	-11.29	0.30	-7.62	-7.19	3.71	-8.12	1.546E-04	.078	.061	.179E-06	10.06	.73	.50	.040
64	7.5	-12.60	0.00	-7.62	-7.14	5.02	-8.07	6.552E-05	.033	.026	2.115E-07	10.08	.73	.50	.017
65	7.5	-13.22	0.00	-7.62	-7.14	5.63	-8.07	1.597E-05	.009	.007	1.414E-08	10.08	.73	.50	.004
66	7.5	-7.93	0.30	-7.62	-3.44	.36	-4.41	6.088E-03	2.584	2.406	1.529E-03	11.09	.80	.50	.840
67	7.5	-8.91	0.30	-7.62	-3.44	1.19	-4.41	1.532E-03	.650	.606	9.686E-05	11.09	.80	.50	.211
68	7.5	-10.46	0.00	-7.62	-3.45	2.44	-4.41	5.220E-04	.222	.206	1.124E-05	11.09	.80	.50	.072
69	7.5	-11.35	0.00	-7.62	-3.50	3.74	-4.46	2.491E-04	.106	.098	2.566E-06	11.08	.80	.50	.034
70	7.5	-12.65	0.00	-7.62	-3.46	5.04	-4.43	5.645E-05	.024	.022	1.315E-07	11.09	.80	.50	.008
71	7.5	-13.42	0.00	-7.62	-3.40	5.81	-4.37	3.545E-05	.015	.014	5.470E-08	11.10	.80	.50	.005
72															
73	7.5	-8.85	0.00	-7.62	0.30	1.15	-.99	1.346E-03	.536	.532	7.008E-05	11.52	.83	.50	.190
74	7.5	-10.17	0.00	-7.62	0.30	2.37	-.99	4.331E-04	.161	.159	6.290E-06	11.52	.83	.50	.057
75	7.5	-11.40	0.00	-7.62	0.30	3.70	-.99	1.903E-04	.076	.075	1.402E-06	11.52	.83	.50	.027
76	7.5	-12.69	0.00	-7.62	0.30	4.99	-.99	5.592E-05	.023	.022	1.254E-07	11.52	.83	.50	.008
77	7.5	-13.43	0.00	-7.62	0.00	5.74	-.99	3.503E-05	.014	.014	4.750E-08	11.52	.83	.50	.005
78	7.5	-8.24	0.00	-7.62	3.59	.38	2.57	6.128E-03	2.471	2.421	1.472E-03	11.45	.82	.50	.811
79	7.5	-8.98	0.00	-7.62	3.63	1.17	2.60	1.596E-03	.644	.631	9.988E-05	11.44	.82	.50	.211
80	7.5	-10.27	0.00	-7.62	3.60	2.42	2.58	4.107E-04	.166	.162	6.613E-06	11.45	.82	.50	.054
81	7.5	-11.41	0.00	-7.62	3.65	3.76	2.53	1.673E-04	.067	.066	1.097E-06	11.45	.82	.50	.022
82	7.5	-12.77	0.00	-7.62	3.58	5.08	2.55	5.425E-05	.022	.021	1.153E-07	11.45	.82	.50	.007
83	7.5	-13.44	0.00	-7.62	3.62	5.79	2.59	1.392E-05	.006	.005	7.491E-09	11.44	.82	.50	.002
84	7.5	-7.81	1.00	-7.62	7.33	.31	6.27	6.504E-03	2.851	2.570	1.803E-03	10.80	.78	.50	.960
85	7.5	-8.59	1.00	-7.62	7.36	1.09	6.30	1.831E-03	.804	.724	1.431E-04	10.79	.78	.50	.271
86	7.5	-9.84	1.00	-7.62	7.36	2.36	6.30	4.765E-04	.209	.188	9.682E-06	10.79	.78	.50	.070
87	7.5	-11.07	0.00	-7.62	7.33	3.74	6.27	2.231E-04	.098	.088	2.122E-06	10.80	.78	.50	.033
88	7.5	-12.51	0.00	-7.62	7.33	5.03	6.27	3.464E-05	.015	.014	5.114E-09	10.80	.78	.50	.005
89	7.5	-13.18	0.00	-7.62	7.35	5.69	6.29	1.152E-05	.005	.005	5.661E-09	10.79	.78	.50	.002

MACH = 10.290 TT = 9.969E+02(K)
RV E06 = 3.356E-01 PI = 5.179E+06(N/M2)
RL E06 = 8.339E-02 T1 = 4.693E+01(K)
DE/METER = 3.313E+06 P1 = 0.984E+02(N/M2)
HO = 2.554E+08(W/M2- K) (PHO V)1 = 1.034E+01(KG/M2-S)
TW = 300.0 (K) GAP = .711 (CM)
STEP = .254(CM) CONF =IN-L

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	-7.62	5.70	-7.36	2.943E-05	.014	.012	4.388E-08	10.32	.75	.50	.006
10	15.0	0.00	7.62	0.00	-7.62	5.03	-7.36	2.087E-05	.010	.008	2.056E-08	10.32	.75	.50	.004
11	15.0	0.00	7.62	0.00	-7.62	3.74	-7.36	3.258E-05	.016	.013	5.041E-08	10.32	.75	.50	.006
12	15.0	0.00	7.62	0.00	-7.62	2.36	-7.36	6.087E-05	.030	.024	1.749E-07	10.32	.75	.50	.012
13	15.0	0.00	7.62	0.00	-7.62	1.14	-7.36	7.975E-04	.387	.315	3.002E-05	10.32	.75	.50	.152
14	15.0	0.00	7.62	0.00	-7.62	.33	-7.36	4.258E-03	2.068	1.682	8.557E-04	10.32	.75	.50	.812
15	15.0	0.00	7.62	0.00	-7.29	0.00	-7.04	5.326E-03	2.547	2.105	1.318E-03	10.42	.76	.50	
16	15.0	0.00	7.62	0.00	-3.63	0.00	-3.51	3.097E-03	1.274	1.224	3.034E-04	11.26	.81	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.207E-03	1.267	1.267	3.950E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	3.54	0.00	3.42	3.138E-03	1.282	1.248	3.911E-04	11.35	.82	.50	
19	15.0	0.00	7.62	0.00	7.27	0.00	7.02	2.535E-03	1.142	1.002	2.813E-04	10.59	.77	.50	
20															
21	15.0	0.00	7.62	0.00	7.62	1.17	7.36	1.662E-04	.076	.066	1.225E-06	10.49	.76	.50	.066
22	15.0	0.00	7.62	0.00	7.62	2.39	7.36	6.932E-05	.031	.027	2.081E-07	10.49	.76	.50	.027
23	15.0	0.00	7.62	0.00	7.62	3.70	7.36	5.056E-05	.023	.020	1.137E-07	10.49	.76	.50	.020
24	15.0	0.00	7.62	0.00	7.62	5.07	7.36	4.210E-05	.019	.017	7.854E-08	10.49	.76	.50	.017
25	15.0	0.00	7.62	0.00	7.62	5.73	7.36	5.059E-05	.023	.020	1.134E-07	10.49	.76	.50	.020
26	15.0	-3.76	3.86	-3.76	-7.62	5.70	-8.33	2.597E-05	.013	.010	3.363E-08	9.99	.73	.50	.006
27	15.0	-3.80	3.82	-3.80	-7.62	5.04	-8.34	4.573E-05	.024	.018	1.889E-07	9.98	.73	.50	.011
28	15.0	-3.76	3.86	-3.76	-7.62	3.72	-8.33	2.814E-05	.014	.011	3.947E-08	9.99	.73	.50	.007
29	15.0	-3.81	3.81	-3.81	-7.62	2.44	-8.35	4.097E-05	.021	.016	8.372E-08	9.98	.73	.50	.010
30	15.0	-3.93	3.79	-3.93	-7.62	1.16	-8.35	5.174E-04	.261	.201	1.285E-05	9.98	.73	.50	.119
31	15.0	-3.97	3.75	-3.97	-7.62	.33	-8.36	3.465E-03	1.780	1.369	5.995E-04	9.98	.73	.50	.816
32	15.0	-3.79	3.83	-3.79	-7.24	0.00	-7.98	4.344E-03	2.182	1.716	9.212E-04	10.12	.74	.50	
33	15.0	-3.92	3.70	-3.92	-3.71	0.00	-4.60	3.488E-03	1.457	1.346	4.825E-04	11.06	.80	.50	
34	15.0	-3.95	3.67	-3.95	0.00	0.00	-1.02	3.574E-03	1.463	1.452	5.224E-04	11.52	.83	.50	
35	15.0	-3.89	3.73	-3.89	3.59	0.00	2.46	3.779E-03	1.522	1.493	5.591E-04	11.46	.82	.50	
36	15.0	-3.74	3.88	-3.74	7.28	0.00	6.86	3.142E-03	1.369	1.241	4.178E-04	10.85	.79	.50	
37	15.0	-3.79	3.83	-3.79	7.62	.37	6.38	1.297E-03	.570	.512	7.189E-05	10.77	.78	.50	.417
38	15.0	-3.74	3.88	-3.74	7.62	1.15	6.39	1.837E-04	.081	.073	1.443E-06	10.76	.78	.50	.059
39	15.0	-3.80	3.82	-3.80	7.62	2.35	6.38	9.051E-05	.040	.036	3.509E-07	10.77	.78	.50	.029
40	15.0	-3.80	3.82	-3.80	7.62	3.62	6.38	6.474E-05	.028	.026	1.792E-07	10.77	.78	.50	.021
41	15.0	-3.67	3.95	-3.67	7.62	5.04	6.41	4.138E-05	.018	.016	7.330E-08	10.76	.78	.50	.013
42	15.0	-3.62	4.00	-3.62	7.62	5.68	6.42	4.419E-05	.019	.017	8.361E-08	10.76	.78	.50	.014
43	15.0	-7.35	.27	-7.35	-7.62	5.70	-9.26	3.291E-05	.018	.013	5.687E-08	9.63	.71	.50	.009
44	15.0	-7.33	.29	-7.33	-7.62	4.91	-9.26	4.403E-05	.024	.017	1.017E-07	9.63	.71	.50	.012
45	15.0	-7.32	.30	-7.32	-7.62	3.72	-9.25	6.751E-05	.036	.027	2.391E-07	9.63	.71	.50	.018
46	15.0	-7.35	.26	-7.35	-7.62	2.37	-9.26	7.267E-05	.039	.028	2.727E-07	9.62	.71	.50	.019

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CM	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	HSTT	DELS (CM)	H-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	-7.35	.27	-7.35	-7.62	1.16	-9.26	3.408E-04	.184	.135	6.895E-06	9.63	.71	.50	.098
48	15.0	-7.26	.36	-7.26	-7.62	.33	-9.24	2.637E-03	1.423	1.042	3.646E-04	9.64	.71	.50	.693
49	15.0	-7.27	.35	-7.27	-7.30	0.00	-8.93	3.871E-03	2.054	1.530	7.726E-04	9.76	.71	.50	
50															
51	15.0	-7.40	.22	-7.40	0.00	0.00	-1.92	7.043E-03	2.825	2.783	1.934E-03	11.46	.82	.50	
52															
53															
54	15.0	-7.26	.36	-7.26	7.62	.31	5.48	5.554E-03	2.377	2.195	1.283E-03	10.98	.79	.50	.709
55	15.0	-7.30	.32	-7.30	7.62	1.11	5.47	1.608E-03	.688	.635	1.075E-04	10.99	.79	.50	.205
56	15.0	-7.25	.37	-7.25	7.62	2.32	5.48	3.970E-04	.170	.157	6.556E-06	10.98	.79	.50	.051
57	15.0	-7.26	.36	-7.26	7.62	3.70	5.48	1.594E-04	.073	.067	1.194E-06	10.98	.79	.50	.022
58	15.0	-7.24	.38	-7.24	7.62	4.97	5.49	5.793E-05	.025	.023	1.396E-07	10.98	.79	.50	.007
59	15.0	-7.25	.37	-7.25	7.62	5.62	5.48	3.310E-05	.014	.013	4.557E-08	10.98	.79	.50	.004
60	15.0	-7.95	0.00	-7.62	-7.14	.27	-8.87	2.896E-03	1.531	1.144	4.310E-04	9.79	.72	.50	.746
61	15.0	-8.75	0.00	-7.62	-7.35	1.17	-9.07	4.529E-04	.242	.179	1.365E-05	9.71	.71	.50	.119
62	15.0	-8.92	0.00	-7.62	-7.13	2.34	-8.86	1.199E-04	.063	.047	7.382E-07	9.79	.72	.50	.031
63	15.0	-11.29	0.00	-7.62	-7.19	3.71	-8.92	8.182E-05	.043	.032	3.449E-07	9.77	.71	.50	.021
64	15.0	-12.69	0.00	-7.62	-7.14	5.02	-8.87	3.849E-05	.020	.015	7.611E-08	9.79	.72	.50	.010
65	15.0	-13.22	0.00	-7.62	-7.14	5.63	-8.87	3.156E-05	.017	.013	5.150E-08	9.79	.72	.50	.008
66	15.0	-7.38	0.00	-7.62	-3.44	.36	-5.38	5.829E-03	2.567	2.303	1.454E-03	10.90	.79	.50	.849
67	15.0	-8.81	0.00	-7.62	-3.44	1.19	-5.38	1.515E-03	.667	.599	9.823E-05	10.90	.79	.50	.221
68	15.0	-10.36	0.00	-7.62	-3.45	2.44	-5.38	5.250E-04	.222	.200	1.092E-05	10.90	.79	.50	.074
69	15.0	-11.35	0.00	-7.62	-3.50	3.74	-5.35	2.566E-04	.113	.101	2.824E-06	10.89	.79	.50	.037
70	15.0	-12.65	0.00	-7.62	-3.46	5.04	-5.32	8.992E-05	.040	.036	3.462E-07	10.90	.79	.50	.013
71	15.0	-13.42	0.00	-7.62	-3.40	5.81	-5.26	2.393E-05	.011	.009	2.446E-08	10.91	.79	.50	.003
72	15.0	-8.37	0.00	-7.62	0.00	.38	-1.97	6.486E-07	.000	.000	1.640E-11	11.45	.82	.50	.000
73	15.0	-8.95	0.00	-7.62	0.00	1.15	-1.97	1.386E-03	.556	.548	7.493E-05	11.45	.82	.50	.197
74	15.0	-10.37	0.00	-7.62	0.00	2.37	-1.97	4.429E-04	.178	.175	7.651E-06	11.45	.82	.50	.063
75	15.0	-11.61	0.00	-7.62	0.00	3.70	-1.97	2.210E-04	.089	.087	1.905E-06	11.45	.82	.50	.031
76	15.0	-12.69	0.00	-7.62	0.00	4.99	-1.97	9.404E-05	.038	.037	3.448E-07	11.45	.82	.50	.013
77	15.0	-13.43	0.00	-7.62	0.00	5.74	-1.97	3.518E-05	.014	.014	4.826E-08	11.45	.82	.50	.005
78	15.0	-8.84	0.00	-7.62	3.59	.38	1.50	2.382E-03	2.552	2.522	1.583E-03	11.53	.83	.50	.809
79	15.0	-8.92	0.00	-7.62	3.63	1.17	1.53	1.538E-03	.655	.647	1.043E-04	11.52	.83	.50	.268
80	15.0	-10.32	0.00	-7.62	3.60	2.42	1.51	3.922E-04	.157	.155	5.975E-06	11.53	.83	.50	.050
81	15.0	-11.41	0.00	-7.62	3.55	3.76	1.46	1.829E-04	.073	.072	1.299E-06	11.53	.83	.50	.023
82	15.0	-12.73	0.00	-7.62	3.56	5.08	1.48	4.163E-05	.017	.016	6.732E-08	11.53	.83	.50	.005
83	15.0	-13.44	0.00	-7.62	3.62	5.79	1.52	2.339E-05	.008	.008	1.616E-08	11.53	.83	.50	.003
84															
85	15.0	-8.58	0.00	-7.62	7.36	1.09	5.14	2.231E-03	.945	.882	2.349E-04	11.06	.80	.50	.282
86	15.0	-9.96	0.00	-7.62	7.36	2.36	5.14	4.786E-04	.203	.189	9.427E-06	11.06	.80	.50	.060
87	15.0	-11.23	0.00	-7.62	7.33	3.74	5.11	1.794E-04	.076	.071	1.323E-06	11.06	.80	.50	.023
88	15.0	-12.52	0.00	-7.62	7.33	5.03	5.11	5.247E-05	.022	.021	1.132E-07	11.06	.80	.50	.007
89	15.0	-13.15	0.00	-7.62	7.35	5.66	5.13	6.556E-06	.003	.003	1.769E-09	11.06	.80	.50	.001

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

CFHT TEST (92), MDAC-E PSI GAPS, RUN (153) 1973

MACH = 10.293
RX E06 = 3.339E-01
RL E06 = 9.348E-02
RE/METER = 3.287E+06
HC = 2.554E+00(W/M2- K)
TW = 301.5 (K)
STEP = .254(CM)

TT = 9.992E+02(K)
PI = 5.176.E+05(N/M2)
T1 = 4.705E+01(K)
P1 = 0.984 E+02(N/M2)
(PHO V)1 = 1.032E+01(KG/M2-S)
GAP = .711 (CM)
CONF =IN-L

TAW/TT =0.895 FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	30.0	0.00	7.62	0.00	-7.62	5.70	-6.60	4.643E-05	.022	.018	9.815E-08	10.56	.77	.50	.007
10	30.0	0.00	7.62	0.00	-7.62	5.03	-6.60	3.407E-05	.016	.013	5.285E-08	10.56	.77	.50	.005
11	30.0	0.00	7.62	0.00	-7.62	3.74	-6.60	7.870E-05	.037	.031	2.926E-07	10.56	.77	.50	.011
12	30.0	0.00	7.62	0.00	-7.62	2.36	-6.60	2.253E-04	.105	.089	2.310E-06	10.56	.77	.50	.033
13	30.0	0.00	7.62	0.00	-7.62	1.14	-6.60	1.438E-03	.672	.568	9.409E-05	10.56	.77	.53	.213
14	30.0	0.00	7.62	0.00	-7.62	.33	-6.60	5.887E-03	2.752	2.325	1.578E-03	10.56	.77	.50	.859
15															
16	30.0	0.00	7.62	0.00	-3.63	0.00	-3.15	3.266E-03	1.334	1.291	4.242E-04	11.31	.81	.50	
17	30.0	0.00	7.62	0.00	0.00	0.00	0.00	3.019E-03	1.193	1.193	3.507E-04	11.56	.83	.50	
18	30.0	0.00	7.62	0.00	3.64	3.00	3.07	3.041E-03	1.236	1.201	3.658E-04	11.39	.82	.50	
19	30.0	0.00	7.62	0.00	7.27	0.00	6.29	2.257E-03	.994	.896	2.195E-04	10.79	.78	.53	
20	30.0	0.00	7.62	0.00	7.62	.41	6.60	5.266E-06	.002	.002	1.198E-09	10.71	.78	.50	.002
21	30.0	0.00	7.62	0.00	7.62	1.17	6.60	1.386E-04	.061	.055	8.294E-07	10.71	.78	.50	.062
22	30.0	0.00	7.62	0.00	7.62	2.39	6.60	5.309E-05	.024	.021	1.217E-07	10.71	.78	.50	.024
23	30.0	0.00	7.62	0.00	7.62	3.70	6.60	5.230E-05	.023	.021	1.181E-07	10.71	.78	.50	.021
24	30.0	0.00	7.62	0.00	7.62	5.07	6.60	4.389E-05	.021	.019	9.495E-08	10.71	.78	.50	.020
25	30.0	0.00	7.62	0.00	7.62	5.73	6.60	4.375E-05	.019	.017	9.268E-08	10.71	.78	.50	.004
26	30.0	-3.75	3.86	-3.76	-7.62	5.70	-8.40	2.109E-05	.011	.008	2.241E-08	9.93	.72	.50	.005
27	30.0	-3.81	3.82	-3.80	-7.62	5.04	-8.53	2.553E-05	.014	.010	3.549E-08	9.93	.72	.50	.009
28	30.0	-3.75	3.86	-3.76	-7.62	3.72	-8.48	4.545E-05	.024	.018	1.040E-07	9.93	.72	.50	.016
29	30.0	-3.81	3.91	-3.81	-7.62	2.44	-8.51	8.819E-05	.046	.035	3.923E-07	9.92	.72	.50	.179
30	30.0	-3.83	3.79	-3.83	-7.62	1.16	-8.51	9.713E-04	.503	.384	4.760E-05	9.92	.72	.50	.876
31	30.0	-3.87	3.75	-3.87	-7.62	.33	-8.53	4.757E-03	2.468	1.886	1.143E-03	9.91	.72	.50	
32	30.0	-3.79	3.93	-3.79	-7.24	0.00	-8.17	5.544E-03	2.876	2.191	1.521E-03	10.05	.73	.50	
33	30.0	-3.92	3.70	-3.92	-3.71	0.00	-5.17	3.057E-03	1.338	1.208	3.985E-04	10.93	.79	.50	
34	30.0	-3.95	3.67	-3.95	0.00	0.00	-1.98	3.506E-03	1.407	1.385	4.883E-04	11.45	.82	.50	
35	30.0	-3.89	3.73	-3.89	3.59	0.00	1.17	3.829E-03	1.527	1.513	5.694E-04	11.54	.83	.50	
36	30.0	-3.74	3.88	-3.74	7.28	0.00	4.43	3.139E-03	1.308	1.240	3.998E-04	11.19	.81	.50	
37	30.0	-3.79	3.83	-3.79	7.62	.37	4.70	1.349E-03	.566	.533	7.429E-05	11.14	.80	.50	.432
38	30.0	-3.74	3.88	-3.74	7.62	1.15	4.73	2.992E-04	.126	.118	3.657E-06	11.14	.80	.50	.096
39	30.0	-3.74	3.88	-3.74	7.62	2.35	4.70	1.244E-04	.052	.049	6.319E-07	11.14	.80	.50	.040
40	30.0	-3.83	3.82	-3.80	7.62	3.62	4.70	8.001E-05	.034	.032	2.613E-07	11.14	.80	.50	.026
41	30.0	-3.87	3.82	-3.80	7.62	5.04	4.77	4.396E-05	.018	.017	7.902E-08	11.13	.80	.50	.014
42	30.0	-3.62	4.00	-3.62	7.62	5.68	4.79	1.879E-05	.008	.007	1.444E-08	11.13	.60	.50	.006
43	30.0	-7.35	.27	-7.35	-7.62	5.70	-10.27	1.847E-05	.011	.007	1.993E-08	9.20	.68	.50	.004
44	30.0	-7.33	.29	-7.33	-7.62	4.01	-10.26	1.739E-05	.010	.007	1.677E-08	9.21	.68	.50	.004
45	30.0	-7.32	.30	-7.32	-7.62	3.72	-10.26	2.850E-05	.016	.011	4.504E-08	9.21	.68	.50	.007
46	30.0	-7.36	.26	-7.36	-7.62	2.37	-10.28	3.399E-05	.019	.013	6.413E-08	9.20	.68	.50	.009

498

RSI GAP HEATING ANALYSIS
FINAL REPORT VOLUME II
REPORT MDC E1003 29 JANUARY 1974
REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.
MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 330

CFAT TEST (32), MAR-E DCI (APS, RUN (153) 1973

CM	GAMMA (DEG)	XSURF (CM)	XS (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	T/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	-7.35	.27	-7.35	-7.62	1.16	-10.27	3.488E-04	.199	.438	6.748E-06	9.20	.68	.50	.085
48	30.0	-7.26	.36	-7.26	-7.62	.33	-10.23	2.984E-03	1.697	1.179	4.930E-04	9.22	.68	.50	.723
49	30.0	-7.27	.35	-7.27	-7.30	0.00	-9.96	4.189E-03	2.340	1.655	9.578E-04	9.34	.69	.50	
50	30.0	-7.33	.29	-7.33	-3.69	0.00	-6.86	5.592E-03	2.644	2.206	1.437E-03	10.49	.76	.50	
51	30.0	-7.40	.22	-7.40	0.00	0.00	-3.70	6.939E-03	2.867	2.742	1.937E-03	11.22	.81	.50	
52															
53															
54	30.0	-7.26	.36	-7.26	7.62	.31	2.97	5.388E-03	2.308	2.247	1.279E-03	11.40	.82	.50	.710
55	30.0	-7.38	.32	-7.38	7.62	1.11	2.95	1.398E-03	.811	.790	1.577E-04	11.41	.82	.50	.249
56	30.0	-7.25	.37	-7.25	7.62	2.32	2.97	4.564E-04	.183	.178	8.016E-06	11.40	.82	.50	.056
57	30.0	-7.26	.36	-7.26	7.62	3.70	2.97	1.561E-04	.063	.062	9.625E-07	11.40	.82	.50	.019
58	30.0	-7.24	.38	-7.24	7.62	4.97	2.98	4.011E-05	.015	.016	6.357E-08	11.40	.82	.50	.005
59	30.0	-7.25	.37	-7.25	7.62	5.62	2.97	3.389E-05	.014	.013	4.537E-08	11.40	.82	.50	.004
60	30.0	-7.45	.17	-7.62	-7.14	.27	-10.00	3.078E-03	1.729	1.216	5.182E-04	9.32	.69	.50	.736
61	30.0	-8.75	1.47	-7.62	-7.35	1.17	-10.17	3.716E-04	.211	.147	7.623E-06	9.25	.68	.50	.090
62	30.0	-9.92	2.64	-7.62	-7.13	2.34	-9.98	3.465E-05	.019	.014	6.562E-09	9.33	.69	.50	.008
63	30.0	-11.09	3.81	-7.62	-7.19	3.71	-10.04	5.226E-05	.029	.021	1.497E-07	9.31	.68	.50	.013
64	30.0	-12.69	5.08	-7.62	-7.14	5.02	-9.99	4.244E-05	.024	.017	9.851E-08	9.33	.69	.50	.010
65	30.0	-13.27	5.65	-7.62	-7.14	5.63	-9.99	2.717E-05	.015	.011	4.037E-08	9.32	.69	.50	.006
66	30.0	-7.33	.29	-7.62	-3.44	.36	-6.79	4.553E-03	2.202	1.843	9.939E-04	10.50	.76	.50	.833
67	30.0	-8.91	1.87	-7.62	-3.44	1.19	-6.79	1.114E-03	.526	.448	5.709E-05	10.50	.76	.50	.199
68	30.0	-11.05	3.30	-7.62	-3.45	2.44	-6.80	2.801E-04	.132	.111	3.607E-06	10.50	.76	.50	.050
69	30.0	-11.35	3.60	-7.62	-3.45	3.74	-6.84	1.177E-04	.056	.046	6.381E-07	10.49	.76	.50	.021
70	30.0	-12.65	4.90	-7.62	-3.46	5.04	-6.91	4.568E-05	.022	.018	9.993E-08	10.50	.76	.50	.008
71	30.0	-13.42	5.67	-7.62	-3.46	5.81	-6.76	3.797E-05	.018	.015	6.580E-09	10.51	.76	.50	.007
72															
73	30.0	-8.93	3.01	-7.62	0.00	1.15	-3.81	1.407E-03	.503	.556	7.979E-05	11.21	.81	.50	.233
74	30.0	-10.07	4.39	-7.62	0.00	2.37	-3.81	4.429E-04	.183	.175	7.911E-06	11.21	.81	.50	.064
75	30.0	-12.69	5.08	-7.62	0.00	3.70	-3.81	2.098E-04	.087	.083	1.774E-06	11.21	.81	.50	.030
76	30.0	-14.65	7.04	-7.62	0.00	4.99	-3.81	7.216E-05	.030	.029	2.100E-07	11.21	.81	.50	.010
77	30.0	-13.47	5.86	-7.62	0.00	5.74	-3.81	3.349E-05	.013	.012	3.750E-08	11.21	.81	.50	.004
78	30.0	-8.93	3.01	-7.62	3.63	.39	-.70	6.586E-03	2.617	2.602	1.679E-03	11.54	.83	.50	.813
79	30.0	-10.07	4.39	-7.62	3.63	1.17	-.67	1.711E-03	.680	.676	1.133E-04	11.54	.83	.50	.211
80	30.0	-12.69	5.08	-7.62	3.63	2.42	-.69	4.491E-04	.178	.177	7.769E-06	11.54	.83	.50	.055
81	30.0	-14.65	7.04	-7.62	3.55	3.75	-.73	1.907E-04	.076	.075	1.409E-06	11.54	.83	.50	.024
82	30.0	-14.47	6.86	-7.62	3.58	5.09	-.71	7.542E-05	.030	.030	2.260E-07	11.54	.83	.50	.009
83	30.0	-13.47	5.86	-7.62	3.62	5.79	-.64	1.171E-05	.005	.005	5.302E-09	11.54	.83	.50	.001
84															
85	30.0	-10.07	4.39	-7.62	7.24	1.03	2.56	2.362E-03	.952	.933	2.191E-04	11.45	.82	.50	.293
86	30.0	-12.69	5.08	-7.62	7.24	2.35	2.55	4.217E-04	.170	.167	6.383E-06	11.45	.82	.50	.052
87	30.0	-14.65	7.04	-7.62	7.24	3.74	2.54	1.420E-04	.057	.056	7.917E-07	11.45	.82	.50	.018
88	30.0	-14.47	6.86	-7.62	7.24	5.13	2.54	4.971E-05	.020	.019	9.314E-09	11.45	.82	.50	.006
89	30.0	-13.47	5.86	-7.62	7.24	5.66	2.53	5.196E-05	.021	.021	1.060E-07	11.45	.82	.50	.006

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

...EAT TEST (32), MOAT-F RSI GAPS, RUN (154) 1973

WBCH	= 10.290	TT	= 9.395E+02(K)
RX E06	= 3.338E-01	PI	= 5.178.E+06(N/M2)
RL E06	= 8.345E-02	T1	= 4.76ZE+01(K)
RE/METER	= 3.285E+06	P1	= 0.984E+02(N/M2)
HO	= 2.554E+03(W/M2- K)	(PHO V)1	= 1.032E+01(KG/M2-S)
TW	= 301.2 (K)	GAP	= .711 (CM)
STEP	= .254(CM)	CONF	=IN-L

TAW/TT =0.89F FOR HT/HO
YSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
X9 = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CH	GAMMA (DEG)	YSURF (CM)	X9 (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	0.0	0.00	7.62	0.00	7.62	5.70	7.62	2.560E-05	.012	.010	2.938E-08	10.41	.76	.50	.008
10	0.0	0.00	7.62	0.00	7.62	5.03	7.62	3.424E-05	.016	.014	5.256E-08	10.41	.76	.50	.011
11	0.0	0.00	7.62	0.00	7.62	3.74	7.62	5.736E-05	.026	.023	1.471E-07	10.41	.76	.50	.019
12	0.0	0.00	7.62	0.00	7.62	2.36	7.62	3.233E-05	.015	.013	4.685E-08	10.41	.76	.50	.011
13	0.0	0.00	7.62	0.00	7.62	1.14	7.62	2.659E-04	.123	.105	3.192E-06	10.41	.76	.50	.088
14	0.0	0.00	7.62	0.00	7.62	.33	7.62	1.876E-03	.863	.741	1.577E-04	10.41	.76	.50	.620
15	0.0	0.00	7.62	0.00	7.29	0.00	7.29	3.059E-03	1.392	1.209	4.146E-04	10.51	.76	.50	
16	0.0	0.00	7.62	0.00	3.63	0.00	3.63	3.263E-03	1.337	1.289	4.249E-04	11.32	.82	.50	
17	0.0	0.00	7.62	0.00	0.00	0.00	0.00	3.275E-03	1.294	1.294	4.127E-04	11.56	.83	.50	
18	0.0	0.00	7.62	0.00	-3.54	0.00	-3.54	3.234E-03	1.332	1.278	4.194E-04	11.25	.81	.50	
19	0.0	0.00	7.62	0.00	-7.27	0.00	-7.27	3.127E-03	1.512	1.236	4.604E-04	10.35	.75	.50	
20	0.0	0.00	7.62	0.00	-7.62	.41	-7.62	7.487E-07	.000	.000	2.685E-11	10.24	.74	.50	.000
21	0.0	0.00	7.62	0.00	-7.62	1.17	-7.62	2.822E-04	.139	.112	3.814E-06	10.24	.74	.50	.092
22	0.0	0.00	7.62	0.00	-7.62	2.39	-7.62	5.251E-05	.026	.021	1.321E-07	10.24	.74	.50	.017
23	0.0	0.00	7.62	0.00	-7.62	3.60	-7.62	3.241E-05	.016	.013	5.032E-09	10.24	.74	.50	.011
24	0.0	0.00	7.62	0.00	-7.62	5.07	-7.62	2.074E-05	.010	.008	2.060E-08	10.24	.74	.50	.007
25	0.0	0.00	7.62	0.00	-7.62	5.73	-7.62	2.958E-05	.015	.012	4.191E-08	10.24	.74	.50	.010
26	0.0	3.76	11.38	3.76	7.62	5.70	7.62	1.286E-05	.006	.005	7.412E-09	10.41	.76	.50	.004
27	0.0	3.80	11.42	3.80	7.62	5.04	7.62	2.592E-05	.012	.010	3.012E-08	10.41	.76	.50	.008
28	0.0	3.76	11.38	3.76	7.62	3.72	7.62	3.813E-05	.018	.015	6.517E-08	10.41	.76	.50	.011
29	0.0	3.81	11.43	3.81	7.62	2.44	7.62	6.115E-05	.028	.024	1.676E-07	10.41	.76	.50	.018
30	0.0	3.83	11.45	3.83	7.62	1.16	7.62	4.499E-04	.207	.178	9.072E-06	10.41	.76	.50	.134
31	0.0	3.87	11.49	3.87	7.62	.33	7.62	2.455E-03	1.133	.970	2.701E-04	10.41	.76	.50	.731
32	0.0	3.79	11.41	3.79	7.24	0.00	7.24	3.404E-03	1.546	1.345	5.124E-04	10.53	.77	.50	
33	0.0	3.92	11.54	3.92	3.71	0.00	3.71	2.777E-03	1.139	1.097	3.080E-04	11.31	.82	.50	
34	0.0	3.95	11.57	3.95	0.00	0.00	0.00	2.831E-03	1.119	1.119	3.083E-04	11.56	.83	.50	
35	0.0	3.99	11.61	3.99	-3.59	0.00	-3.59	2.887E-03	1.191	1.141	3.346E-04	11.24	.81	.50	
36	0.0	3.74	11.36	3.74	-7.28	0.00	-7.28	3.381E-03	1.636	1.336	5.385E-04	10.35	.75	.50	
37	0.0	3.73	11.41	3.73	-7.62	.37	-7.62	2.328E-03	1.145	.920	2.595E-04	10.24	.74	.50	.700
38	0.0	3.74	11.36	3.74	-7.62	1.15	-7.62	4.008E-04	.197	.158	7.697E-06	10.24	.74	.50	.121
39	0.0	3.93	11.42	3.93	-7.62	2.35	-7.62	5.571E-05	.028	.022	1.540E-07	10.24	.74	.50	.017
40	0.0	3.90	11.42	3.94	-7.62	3.62	-7.62	5.451E-05	.027	.022	1.429E-07	10.24	.74	.50	.016
41	0.0	3.67	11.29	3.67	-7.62	5.04	-7.62	1.575E-05	.008	.006	1.188E-08	10.24	.74	.50	.005
42	0.0	3.62	11.24	3.62	-7.62	5.68	-7.62	8.171E-07	.000	.000	3.199E-11	10.24	.74	.50	.000
43	0.0	7.35	14.97	7.35	7.62	5.70	7.62	3.403E-05	.016	.013	5.191E-08	10.41	.76	.50	.015
44	0.0	7.33	14.95	7.33	7.62	4.91	7.62	2.920E-05	.013	.012	3.822E-08	10.41	.76	.50	.013
45	0.0	7.32	14.94	7.32	7.62	3.70	7.62	4.294E-05	.020	.017	8.264E-08	10.41	.76	.50	.019
46	0.0	7.35	14.98	7.36	7.62	2.37	7.62	6.119E-05	.028	.024	1.678E-07	10.41	.76	.50	.027

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CENT TEST (32), MDAC-E RSI GAPS, RUN (154) 1973 PAGE 230

CH	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	0.0	7.35	14.97	7.35	7.62	1.16	7.62	4.031E-04	.186	.159	7.283E-06	10.41	.76	.50	.179
48	0.0	7.26	14.88	7.26	7.62	.33	7.62	1.536E-03	.753	.646	1.200E-04	10.41	.76	.50	.727
49	0.0	7.27	14.89	7.27	7.30	0.00	7.30	2.278E-03	1.036	.900	2.299E-04	10.51	.76	.50	
50	0.0	7.33	14.95	7.33	3.69	0.00	3.69	1.463E-03	.600	.578	8.551E-05	11.31	.82	.50	
51	0.0	7.43	15.02	7.43	0.00	0.00	0.00	1.453E-03	.574	.574	8.118E-05	11.56	.83	.50	
52	0.0	7.58	15.20	7.58	-3.58	0.00	-3.58	1.519E-03	.667	.640	1.051E-04	11.24	.81	.50	
53	0.0	7.16	14.78	7.16	-7.24	0.00	-7.24	2.309E-03	1.115	.912	2.507E-04	10.36	.75	.50	
54	0.0	7.26	14.88	7.26	-7.62	.31	-7.62	1.950E-03	.964	.775	1.843E-04	10.24	.74	.50	.865
55	0.0	7.30	14.92	7.30	-7.62	1.11	-7.62	4.695E-04	.231	.186	1.056E-05	10.24	.74	.50	.207
56	0.0	7.25	14.87	7.25	-7.62	2.32	-7.62	5.349E-05	.026	.021	1.371E-07	10.24	.74	.50	.024
57	0.0	7.26	14.88	7.26	-7.62	3.70	-7.62	5.174E-05	.025	.020	1.282E-07	10.24	.74	.50	.023
58	0.0	7.24	14.86	7.24	-7.62	4.97	-7.62	2.293E-05	.011	.009	2.516E-09	10.24	.74	.50	.010
59	0.0	7.25	14.87	7.25	-7.62	5.62	-7.62	5.545E-06	.003	.002	1.473E-09	10.24	.74	.50	.002
60	0.0	7.95	15.24	7.62	7.14	.27	7.14	1.178E-03	.533	.466	6.115E-05	10.56	.77	.50	.514
61	0.0	8.75	15.24	7.62	7.35	1.17	7.35	2.514E-04	.115	.099	2.806E-06	10.58	.76	.50	.111
62	0.0	9.92	15.24	7.62	7.13	2.34	7.13	6.642E-05	.028	.025	1.716E-07	10.56	.77	.50	.027
63	0.0	11.29	15.24	7.62	7.19	3.71	7.19	3.403E-05	.015	.013	5.112E-08	10.54	.77	.50	.015
64	0.0	12.60	15.24	7.62	7.14	5.02	7.14	2.561E-05	.012	.010	2.889E-08	10.56	.77	.50	.011
65	0.0	13.22	15.24	7.62	7.14	5.63	7.14	1.245E-05	.006	.005	6.832E-09	10.56	.77	.50	.005
66	0.0	7.99	15.24	7.62	3.44	.36	3.44	3.331E-04	.136	.132	4.415E-06	11.35	.82	.50	.227
67	0.0	8.81	15.24	7.62	3.44	1.19	3.44	2.261E-04	.090	.087	1.928E-06	11.35	.82	.50	.159
68	0.0	10.06	15.24	7.62	3.45	2.44	3.45	8.650E-05	.035	.034	3.984E-07	11.34	.82	.50	.059
69	0.0	11.35	15.24	7.62	3.50	3.74	3.50	3.512E-05	.014	.014	4.911E-08	11.34	.82	.50	.024
70	0.0	12.65	15.24	7.62	3.46	5.04	3.46	4.585E-06	.019	.019	8.738E-08	11.34	.82	.50	.032
71	0.0	13.42	15.24	7.62	3.40	5.81	3.40	2.037E-05	.008	.008	1.650E-08	11.35	.82	.50	.014
72	0.0	8.07	15.24	7.62	0.00	.38	0.00	2.240E-07	.000	.000	1.931E-12	11.56	.83	.50	.000
73	0.0	8.95	15.24	7.62	0.00	1.15	0.00	2.233E-04	.088	.088	1.919E-06	11.56	.83	.50	.154
74	0.0	10.12	15.24	7.62	0.00	2.37	0.00	9.509E-05	.038	.038	3.479E-07	11.56	.83	.50	.065
75	0.0	11.43	15.24	7.62	0.00	3.70	0.00	6.910E-05	.027	.027	1.837E-07	11.56	.83	.50	.048
76	0.0	12.69	15.24	7.62	0.00	4.99	0.00	4.182E-05	.017	.017	6.729E-08	11.56	.83	.50	.029
77	0.0	13.43	15.24	7.62	0.00	5.74	0.00	1.978E-05	.008	.008	1.505E-08	11.56	.83	.50	.014
78	0.0	8.04	15.24	7.62	-3.59	.38	-3.59	4.003E-04	.165	.158	6.431E-06	11.24	.81	.50	.247
79	0.0	8.92	15.24	7.62	-3.63	1.17	-3.63	1.870E-04	.077	.074	1.405E-06	11.24	.81	.50	.116
80	0.0	10.07	15.24	7.62	-3.60	2.42	-3.60	7.452E-05	.031	.029	2.229E-07	11.24	.81	.50	.046
81	0.0	11.41	15.24	7.62	-3.55	3.76	-3.55	3.597E-05	.015	.015	5.480E-08	11.25	.81	.50	.023
82	0.0	12.73	15.24	7.62	-3.58	5.08	-3.58	2.093E-05	.009	.008	1.741E-08	11.24	.81	.50	.013
83	0.0	13.44	15.24	7.62	-3.62	5.79	-3.62	1.554E-05	.006	.006	9.702E-09	11.24	.81	.50	.010
84	0.0	7.81	15.24	7.62	-7.33	.31	-7.33	1.243E-03	.603	.491	7.293E-05	10.33	.75	.50	.541
85	0.0	8.84	15.24	7.62	-7.36	1.09	-7.36	2.442E-04	.119	.097	2.821E-06	10.32	.75	.50	.186
86	0.0	9.85	15.24	7.62	-7.36	2.36	-7.36	5.666E-05	.028	.022	1.518E-07	10.32	.75	.50	.025
87	0.0	11.23	15.24	7.62	-7.33	3.74	-7.33	3.904E-05	.019	.015	7.199E-08	10.33	.75	.50	.017
88	0.0	12.52	15.24	7.62	-7.33	5.03	-7.33	2.188E-05	.011	.009	2.261E-08	10.33	.75	.50	.010
89	0.0	13.15	15.24	7.62	-7.36	5.66	-7.35	6.154E-06	.003	.002	1.790E-09	10.33	.75	.50	.003

CELL TEST (32), M7EC-E RSI GAPS, RUN (155) 1973

MACH = 1.0.290
PX FUS = 3.3+1E-01
PL FUS = 9.3E7E-02
PE/METER = 3.249E+06
HO = 2.554E+CO(M/M2- K)
TW = 301.5 (K)
STEP = .254(CM)

TT = 9.990E+02(K)
PI = 5.178E+06(N/M2)
T1 = 4.714E+01(K)
P1 = 0.984E+02(N/M2)
(RHO V)1 = 1.032E+01(KG/M2-S)
GAP = .711 (CM)
CONF =IN-L

TAW/TT =0.995 FOR HT/HO
XSURF =SURFACE DISTANCE
(FLOW DIRECTION)
(0.0 AT 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

ROW	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	7.5	0.00	7.62	0.00	7.62	5.70	7.55	3.408E-05	.016	.013	5.192E-08	10.43	.76	.50	.013
10	7.5	0.00	7.62	0.00	7.62	5.03	7.55	5.447E-05	.025	.022	1.326E-07	10.43	.76	.50	.021
11	7.5	0.00	7.62	0.00	7.62	3.74	7.55	6.181E-05	.028	.024	1.708E-07	10.43	.76	.50	.024
12	7.5	0.00	7.62	0.00	7.62	2.36	7.55	4.522E-05	.021	.018	9.551E-08	10.43	.76	.50	.018
13	7.5	0.00	7.62	0.00	7.62	1.14	7.55	2.036E-04	.094	.080	1.853E-06	10.43	.76	.50	.080
14	7.5	0.00	7.62	0.00	7.62	.33	7.55	1.366E-03	.627	.540	8.336E-05	10.43	.76	.50	.538
15	7.5	0.00	7.62	0.00	7.29	0.00	7.23	2.570E-03	1.166	1.015	2.917E-04	10.53	.77	.50	
16	7.5	0.00	7.62	0.00	3.63	0.00	3.60	3.253E-03	1.337	1.289	4.246E-04	11.32	.82	.50	
17	7.5	0.00	7.62	0.00	0.00	0.00	0.00	3.249E-03	1.284	1.284	4.060E-04	11.56	.83	.50	
18	7.5	0.00	7.62	0.00	-3.64	0.00	-3.51	3.186E-03	1.311	1.259	4.066E-04	11.25	.81	.50	
19	7.5	0.00	7.62	0.00	-7.27	0.00	-7.20	4.202E-03	2.025	1.660	8.283E-04	10.37	.75	.50	.300
20	7.5	0.00	7.62	0.00	-7.62	.41	-7.55	5.053E-07	.000	.000	1.219E-11	10.26	.75	.50	.133
21	7.5	0.00	7.62	0.00	-7.62	1.17	-7.55	5.509E-04	.270	.218	1.449E-05	10.26	.75	.50	
22	7.5	0.00	7.62	0.00	-7.62	2.39	-7.55	4.224E-05	.021	.017	8.515E-08	10.26	.75	.50	.010
23	7.5	0.00	7.62	0.00	-7.62	3.70	-7.55	5.116E-05	.025	.020	1.250E-07	10.26	.75	.50	.012
24	7.5	0.00	7.62	0.00	-7.62	5.07	-7.55	2.587E-05	.013	.010	3.194E-08	10.26	.75	.50	.006
25	7.5	0.00	7.62	0.00	-7.62	5.73	-7.55	2.356E-05	.012	.009	2.649E-08	10.26	.75	.50	.006
26	7.5	3.76	11.38	3.76	7.62	5.70	8.05	2.500E-05	.013	.011	3.609E-08	10.28	.75	.50	.011
27	7.5	3.81	11.42	3.80	7.62	5.04	8.05	1.951E-05	.009	.008	1.752E-08	10.28	.75	.50	.008
28	7.5	3.76	11.38	3.76	7.62	3.72	8.05	5.054E-05	.024	.020	1.176E-07	10.28	.75	.50	.021
29	7.5	3.81	11.43	3.81	7.62	2.44	8.05	4.624E-05	.022	.018	9.845E-08	10.28	.75	.50	.019
30	7.5	3.83	11.45	3.83	7.62	1.16	8.05	2.722E-04	.129	.108	3.411E-06	10.27	.75	.50	.111
31	7.5	3.87	11.49	3.87	7.62	.33	8.06	1.437E-03	.680	.568	9.515E-05	10.27	.75	.50	.584
32	7.5	3.79	11.41	3.79	7.24	0.00	7.67	2.520E-03	1.164	.996	2.855E-04	10.40	.76	.50	
33	7.5	3.92	11.54	3.92	3.71	0.00	4.19	2.744E-03	1.137	1.084	3.038E-04	11.23	.81	.50	
34	7.5	3.95	11.57	3.95	0.03	0.00	.52	2.771E-03	1.100	1.095	2.966E-04	11.56	.83	.50	
35	7.5	3.89	11.51	3.89	-3.59	0.00	-3.05	2.954E-03	1.204	1.167	3.461E-04	11.32	.82	.50	
36	7.5	3.74	11.36	3.74	-7.28	0.00	-6.73	5.039E-03	2.371	1.991	1.163E-03	10.52	.76	.50	.019
37	7.5	3.79	11.41	3.79	-7.62	.37	-7.06	4.058E-03	1.942	1.603	7.669E-04	10.42	.76	.50	.173
38	7.5	3.74	11.36	3.74	-7.62	1.15	-7.07	8.579E-04	.411	.339	3.430E-05	10.42	.76	.50	.018
39	7.5	3.82	11.42	3.80	-7.62	2.35	-7.06	8.946E-05	.043	.035	3.728E-07	10.42	.76	.50	.008
40	7.5	3.80	11.42	3.80	-7.62	3.62	-7.06	3.946E-05	.019	.015	6.962E-08	10.42	.76	.50	.004
41	7.5	3.67	11.29	3.67	-7.62	5.04	-7.08	2.129E-05	.010	.008	2.112E-09	10.41	.76	.50	.003
42	7.5	3.62	11.24	3.62	-7.62	5.68	-7.08	1.537E-05	.008	.006	1.249E-08	10.41	.76	.50	.001
43	7.5	7.35	14.97	7.35	7.62	5.70	8.51	1.914E-06	.001	.001	1.542E-10	10.12	.74	.50	.018
44	7.5	7.33	14.95	7.33	7.62	4.91	8.51	2.342E-05	.011	.009	2.597E-08	10.12	.74	.50	.818
45	7.5	7.32	14.94	7.32	7.62	3.72	8.51	2.397E-05	.012	.009	2.720E-08	10.12	.74	.50	.022
46	7.5	7.36	14.98	7.36	7.62	2.37	8.51	2.879E-05	.014	.011	3.925E-08	10.12	.74	.50	

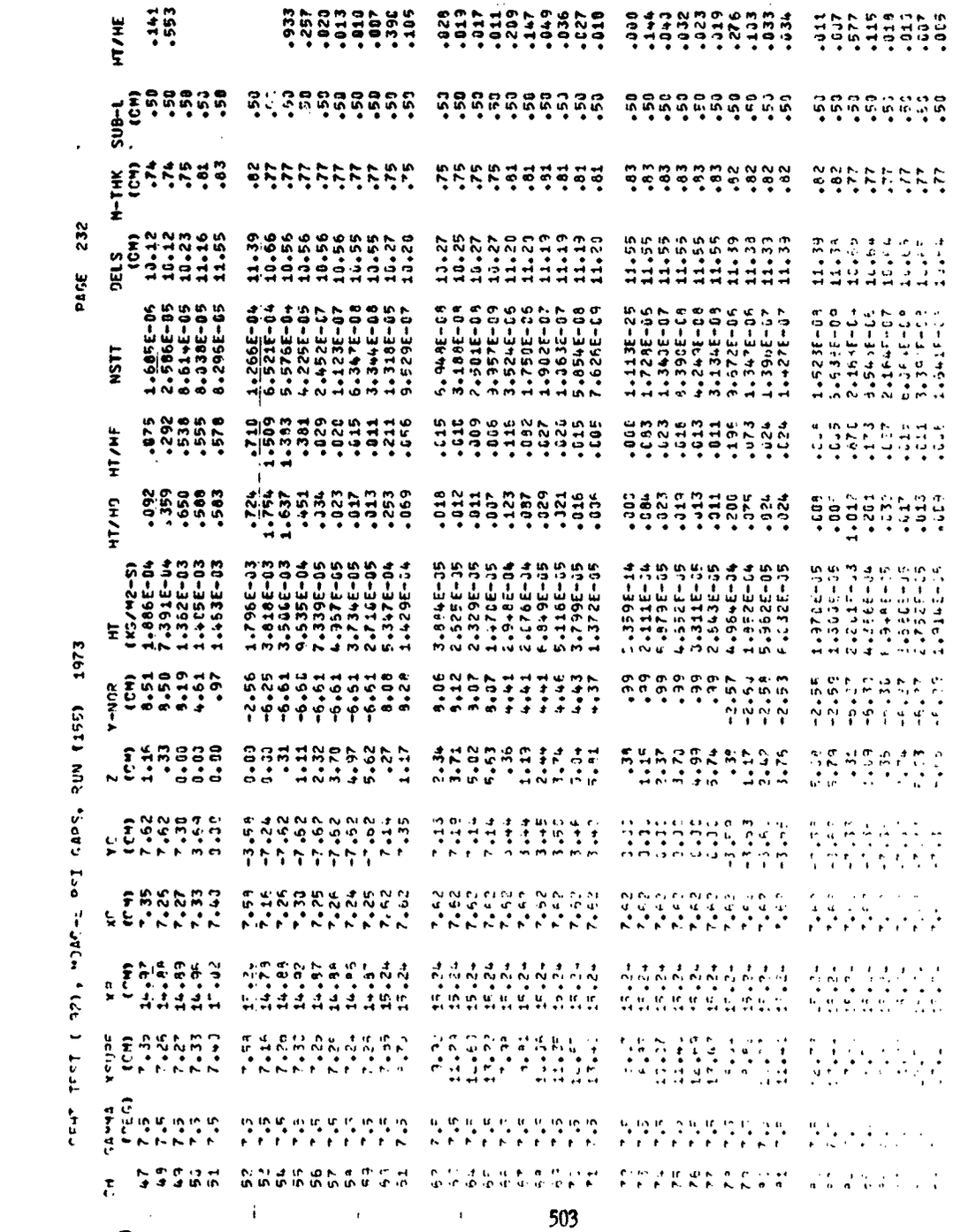
502

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

RSI GAP HEATING ANALYSIS

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.



FLIGHT TEST (92), MDAC-E RST GAPS, RUN (156) 1973

MACH	= 10.290	TT	= 9.987E+02(K)
PX FOR	= 3.344E-01	PI	= 5.179 E+06(N/M2)
PL E05	= 9.363E-02	T1	= 4.702E+01(K)
RE/METER	= 3.291E+05	P1	= 0.984 E+02(N/M2)
HO	= 2.554E+00(W/M2- K)	(RHO V)1	= 1.033E+01(KG/M2-S)
TW	= 330.9 (K)	GAP	= .711 (CM)
STEP	= .254(CM)	CONF	=IN-L

TAW/TT =0.89E FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XB = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	15.0	0.00	7.62	0.00	7.62	5.70	7.36	2.865E-05	.009	.008	1.892E-08	10.49	.76	.50	.009
10	15.0	0.00	7.62	0.00	7.62	5.03	7.36	2.557E-05	.012	.011	3.156E-08	10.49	.76	.50	.012
11	15.0	0.00	7.62	0.00	7.62	3.74	7.36	4.382E-05	.020	.017	8.519E-08	10.49	.76	.50	.019
12	15.0	0.00	7.62	0.00	7.62	2.35	7.36	6.918E-05	.032	.027	2.124E-07	10.49	.76	.50	.030
13	15.0	0.00	7.62	0.00	7.62	1.14	7.36	2.182E-04	.099	.086	2.112E-06	10.49	.76	.50	.094
14	15.0	0.00	7.62	0.00	7.62	.33	7.36	1.172E-03	.535	.463	6.180E-05	10.49	.76	.50	.507
15	15.0	0.00	7.62	0.00	7.29	0.00	7.04	2.338E-03	1.054	.924	2.397E-04	10.59	.77	.50	
16	15.0	0.00	7.62	0.00	3.63	0.00	3.51	3.258E-03	1.333	1.288	4.226E-04	11.34	.82	.50	
17	15.0	0.00	7.62	0.00	0.00	0.00	0.00	3.243E-03	1.281	1.281	4.044E-04	11.56	.83	.50	
18	15.0	0.00	7.62	0.00	-3.62	0.00	-3.42	3.136E-03	1.288	1.239	3.930E-04	11.27	.81	.50	
19	15.0	0.00	7.62	0.00	-7.27	0.00	-7.02	5.396E-03	2.577	2.132	1.353E-03	10.43	.76	.50	
20															
21	15.0	0.00	7.62	0.00	-7.62	1.17	-7.36	8.556E-04	.416	.338	3.460E-05	10.32	.75	.50	.161
22	15.0	0.00	7.62	0.00	-7.62	2.39	-7.36	6.008E-05	.029	.024	1.706E-07	10.32	.75	.50	.011
23	15.0	0.00	7.62	0.00	-7.62	3.70	-7.36	4.645E-05	.023	.018	1.020E-07	10.32	.75	.50	.009
24	15.0	0.00	7.62	0.00	-7.62	5.07	-7.36	3.585E-05	.018	.015	6.417E-08	10.32	.75	.50	.007
25	15.0	0.00	7.62	0.00	-7.62	5.73	-7.36	3.945E-05	.019	.016	7.357E-08	10.32	.75	.50	.007
26	15.0	3.75	11.38	3.76	7.62	5.70	8.33	3.546E-05	.017	.014	5.888E-08	10.18	.74	.50	.017
27	15.0	3.81	11.42	3.80	7.62	5.04	8.34	4.108E-05	.020	.016	7.908E-08	10.18	.74	.50	.020
28	15.0	3.75	11.38	3.76	7.62	3.72	8.33	3.759E-05	.018	.015	6.618E-08	10.18	.74	.50	.018
29	15.0	3.81	11.43	3.81	7.62	2.44	8.35	5.159E-05	.025	.020	1.247E-07	10.18	.74	.50	.025
30	15.1	3.83	11.45	3.83	7.62	1.16	8.35	1.427E-04	.069	.056	9.542E-07	10.17	.74	.50	.069
31	15.0	3.87	11.49	3.87	7.62	.33	8.36	9.719E-04	.469	.384	4.431E-05	10.17	.74	.50	.468
32	15.0	3.79	11.41	3.79	7.24	0.00	7.98	2.127E-03	1.801	.840	2.872E-04	10.30	.75	.50	
33	15.0	3.92	11.54	3.92	3.71	0.00	4.60	2.699E-03	1.129	1.066	2.965E-04	11.16	.81	.50	
34	15.0	3.95	11.57	3.95	0.00	0.00	1.02	2.740E-03	1.091	1.083	2.910E-04	11.55	.83	.50	
35	15.0	3.93	11.51	3.89	-3.59	0.00	-2.46	3.112E-03	1.254	1.230	3.797E-04	11.53	.82	.50	
36															
37	15.0	3.73	11.41	3.79	-7.62	.37	-6.38	5.836E-03	2.697	2.306	1.532E-03	10.62	.77	.50	.878
38	15.0	3.74	11.36	3.74	-7.62	1.15	-6.39	1.408E-03	.651	.556	8.922E-05	10.62	.77	.50	.212
39	15.0	3.89	11.42	3.80	-7.62	2.35	-6. 8	2.126E-04	.098	.084	2.032E-06	10.62	.77	.50	.032
40	15.0	3.80	11.42	3.80	-7.62	3.62	-6.38	4.501E-05	.022	.019	1.036E-07	10.62	.77	.50	.007
41	15.0	3.67	11.29	3.67	-7.62	5.04	-6.41	2.503E-05	.012	.010	3.051E-08	10.61	.77	.50	.004
42	15.0	3.62	11.24	3.62	-7.62	5.68	-6.42	4.219E-05	.020	.017	9.025E-08	10.61	.77	.50	.006
43	15.0	7.35	14.97	7.35	7.62	5.70	9.26	1.905E-05	.009	.007	1.611E-08	9.85	.72	.50	.019
44	15.0	7.33	14.95	7.33	7.62	4.91	9.26	2.478E-05	.013	.010	3.039E-08	9.85	.72	.50	.026
45	15.0	7.32	14.94	7.32	7.62	3.72	9.25	2.971E-05	.015	.012	4.365E-08	9.85	.72	.50	.031
46	15.0	7.36	14.98	7.36	7.62	2.37	9.26	1.891E-05	.010	.007	1.771E-08	9.84	.72	.50	.020

CM	GAMMA (DEG)	XSURF (CM)	XB (CM)	YF (CM)	YC (CM)	Z (CM)	Y-NOP (CM)	HT (KS/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	15.0	7.35	14.97	7.35	7.62	1.16	9.26	9.068E-05	.046	.036	4.015E-07	9.85	.72	.50	.094
48	15.0	7.25	14.88	7.25	7.62	.33	9.24	3.596E-04	.183	.142	6.390E-06	9.85	.72	.50	.373
49	15.0	7.27	14.89	7.27	7.30	0.00	8.93	9.804E-04	.489	.387	4.665E-05	9.97	.73	.50	
50	15.0	7.33	14.95	7.33	3.69	0.00	5.46	1.382E-03	.591	.546	7.947E-05	10.99	.80	.50	
51	15.0	7.40	15.02	7.40	0.00	0.00	1.92	1.512E-03	.607	.598	8.925E-05	11.50	.83	.50	
52	15.0	7.59	15.20	7.59	-3.59	0.00	-1.50	2.555E-03	.826	.816	1.659E-04	11.49	.83	.50	
53	15.0	7.16	14.79	7.16	-7.24	0.00	-5.14	5.338E-03	2.333	2.109	1.212E-03	10.94	.79	.50	
54	15.0	7.26	14.88	7.26	-7.62	.31	-5.48	5.007E-03	2.223	1.978	1.083E-03	10.86	.78	.50	.953
55	15.0	7.30	14.92	7.30	-7.62	1.11	-5.47	1.525E-03	.677	.603	1.004E-04	10.86	.78	.50	.298
56	15.0	7.25	14.87	7.25	-7.62	2.32	-5.48	1.993E-04	.089	.079	1.717E-06	10.86	.78	.50	.038
57	15.0	7.26	14.88	7.26	-7.62	3.70	-5.48	6.581E-05	.029	.026	1.871E-07	10.86	.78	.50	.013
58	15.0	7.24	14.86	7.24	-7.62	4.97	-5.49	3.503E-05	.016	.014	5.302E-08	10.86	.78	.50	.007
59	15.0	7.25	14.87	7.25	-7.62	5.62	-5.48	2.927E-05	.013	.012	3.701E-08	10.86	.78	.50	.006
60	15.0	7.85	15.24	7.62	7.14	.27	8.87	2.600E-04	.129	.103	3.270E-06	9.99	.73	.50	.264
61	15.0	8.75	15.24	7.62	7.35	1.17	9.07	8.920E-05	.045	.035	3.893E-07	9.92	.73	.50	.092
62	15.0	9.92	15.24	7.62	7.13	2.34	8.86	6.469E-05	.032	.026	2.022E-07	10.00	.73	.50	.066
63	15.0	11.29	15.24	7.62	7.19	3.71	8.92	2.249E-05	.011	.009	2.452E-08	9.97	.73	.50	.023
64	15.0	12.60	15.24	7.62	7.14	5.02	8.87	1.156E-05	.006	.005	6.460E-09	9.99	.73	.50	.012
65	15.0	13.22	15.24	7.62	7.14	5.63	8.87	8.303E-06	.004	.003	3.334E-09	9.99	.73	.50	.008
66	15.0	7.99	15.24	7.62	3.44	.36	5.30	3.120E-04	.133	.123	4.032E-06	11.02	.80	.50	.225
67	15.0	8.81	15.24	7.62	3.44	1.19	5.30	2.001E-04	.085	.079	1.659E-06	11.02	.80	.50	.144
68	15.0	10.06	15.24	7.62	3.45	2.44	5.30	9.385E-05	.040	.037	3.649E-07	11.02	.80	.50	.068
69	15.0	11.35	15.24	7.62	3.50	3.74	5.35	4.279E-05	.018	.017	7.596E-08	11.01	.80	.50	.031
70	15.0	12.65	15.24	7.62	3.46	5.04	5.32	2.392E-05	.023	.021	1.205E-07	11.02	.80	.50	.039
71	15.0	13.42	15.24	7.62	3.40	5.81	5.26	3.404E-05	.014	.013	4.792E-08	11.03	.80	.50	.024
72															
73	15.0	8.85	15.24	7.62	0.00	1.15	1.97	1.938E-04	.078	.077	1.466E-06	11.50	.83	.50	.128
74	15.0	10.07	15.24	7.62	0.00	2.37	1.97	7.412E-05	.030	.029	2.145E-07	11.50	.83	.50	.049
75	15.0	11.40	15.24	7.62	0.00	3.73	1.97	5.053E-05	.020	.020	1.001E-07	11.50	.83	.50	.033
76	15.0	12.69	15.24	7.62	0.00	4.99	1.97	3.020E-05	.012	.012	3.562E-08	11.50	.83	.50	.020
77	15.0	13.47	15.24	7.62	0.00	5.74	1.97	4.745E-05	.019	.019	8.790E-08	11.50	.83	.50	.031
78	15.0	8.04	15.24	7.62	-3.59	.38	-1.50	6.722E-04	.269	.266	1.758E-05	11.49	.83	.50	.100
79	15.0	8.82	15.24	7.62	-3.63	1.17	-1.53	2.053E-04	.083	.082	1.656E-06	11.49	.83	.50	.042
80	15.0	10.07	15.24	7.62	-3.63	2.42	-1.51	8.589E-05	.034	.034	2.870E-07	11.49	.83	.50	.016
81	15.0	11.41	15.24	7.62	-3.59	3.76	-1.46	3.230E-05	.013	.013	4.059E-08	11.50	.83	.50	.011
82	15.0	12.73	15.24	7.62	-3.59	5.08	-1.48	2.195E-05	.009	.009	1.875E-08	11.49	.83	.50	
83	15.0	13.44	15.24	7.62	-3.62	5.79	-1.52	1.411E-05	.006	.006	7.750E-09	11.49	.83	.50	.007
84	15.0	7.93	15.24	7.62	-7.33	.31	-5.11	3.150E-03	1.375	1.245	4.214E-04	10.94	.79	.50	.589
85	15.0	8.59	15.24	7.62	-7.36	1.09	-5.14	6.978E-04	.305	.276	2.070E-05	10.94	.79	.50	.131
86	15.0	9.35	15.24	7.62	-7.36	2.36	-5.14	1.422E-04	.062	.056	8.596E-07	10.94	.79	.50	.027
87	15.0	11.03	15.24	7.62	-7.33	3.74	-5.11	7.865E-05	.034	.031	2.627E-07	10.94	.79	.50	.015
88	15.0	12.32	15.24	7.62	-7.33	5.03	-5.11	6.977E-05	.030	.028	2.067E-07	10.94	.79	.50	.013
89	15.0	13.16	15.24	7.62	-7.35	5.86	-5.13	2.383E-05	.010	.009	2.254E-08	10.94	.79	.50	.004

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH = 10.290
PW FOR = 3.344E-01
PL FOR = 8.372E-02
PR/METER = 3.295E+06
HO = 2.554E+08(N/M2- M)
TW = 301.3 (K)
STEP = .254(CM)

TT = 3.994E+02(K)
PI = 5.183E+06(N/M2)
T1 = 4.701E+01(K)
P1 = 0.985E+02(N/M2)
(RHO V)1 = 1.034E+01(KG/M2-S)
GAP = .711 (CM)
CONF =IN-L

TAW/TT =1.835 FOR HT/HO
XSURF =SURFACE DISTANCE (FLOW DIRECTION) (0.0 OR 90 DEG)

TILE COORDINATES(GAMMA=0.0
XR = X-COOR. FROM TILE L.E.
XC = X-COOR. FROM TILE CENTER
YC = Y-COOR. FROM TILE CENTER

CM	GAMMA (DEG)	XSURF (CM)	XR (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
9	90.0	0.00	7.62	0.00	7.62	5.74	6.60	2.643E-05	.012	.010	3.012E-08	10.71	.78	.50	.013
10	90.0	0.00	7.62	0.00	7.62	5.03	6.60	3.535E-05	.016	.014	5.695E-08	10.71	.78	.50	.018
11	90.0	0.00	7.62	0.00	7.62	3.74	6.60	4.290E-05	.019	.017	7.893E-08	10.71	.78	.50	.021
12	90.0	0.00	7.62	0.00	7.62	2.36	6.60	7.915E-05	.035	.031	2.701E-07	10.71	.78	.50	.040
13	90.0	0.00	7.62	0.00	7.62	1.14	6.60	1.731E-04	.077	.068	1.291E-06	10.71	.78	.50	.087
14	90.0	0.00	7.62	0.00	7.62	.33	6.60	8.554E-04	.379	.338	3.154E-05	10.71	.78	.50	.429
15	90.0	0.00	7.62	0.00	7.29	0.00	6.32	2.015E-03	.894	.796	1.732E-04	10.78	.78	.50	
16	90.0	0.00	7.62	0.00	3.63	0.00	3.15	3.112E-03	1.266	1.230	3.831E-04	11.38	.82	.50	
17	90.0	0.00	7.62	0.00	0.00	0.00	0.00	3.152E-03	1.246	1.246	3.816E-04	11.56	.83	.50	
18	90.0	0.00	7.62	0.00	-3.54	0.00	-3.07	3.232E-03	1.318	1.277	4.143E-04	11.32	.81	.50	
19															
20	90.0	0.00	7.62	0.00	-7.62	.41	-6.60	5.197E-06	.002	.002	1.227E-09	10.56	.77	.50	.00
21	90.0	0.00	7.62	0.00	-7.62	1.17	-6.60	1.509E-03	.705	.596	1.035E-04	10.56	.77	.50	.218
22	90.0	0.00	7.62	0.00	-7.62	2.39	-6.60	1.783E-04	.083	.070	1.444E-06	10.56	.77	.50	.026
23	90.0	0.00	7.62	0.00	-7.62	3.70	-6.60	5.052E-05	.024	.020	1.164E-07	10.56	.77	.50	.007
24	90.0	0.00	7.62	0.00	-7.62	5.07	-6.60	4.047E-05	.019	.016	7.443E-08	10.56	.77	.50	.005
25	90.0	0.00	7.62	0.00	-7.62	5.73	-6.60	3.172E-05	.015	.013	4.572E-08	10.56	.77	.50	.012
26	90.0	3.76	11.38	3.76	7.62	5.70	6.45	1.863E-05	.009	.007	1.639E-08	10.13	.74	.50	.012
27	90.0	3.76	11.42	3.80	7.62	5.04	6.50	1.972E-05	.010	.008	1.838E-08	10.12	.74	.50	.024
28	90.0	3.76	11.38	3.76	7.62	3.72	6.48	3.781E-05	.018	.015	6.749E-08	10.13	.74	.50	.036
29	90.0	3.81	11.43	3.81	7.62	2.44	6.51	5.640E-05	.027	.022	1.304E-07	10.12	.74	.50	.059
30	90.0	3.83	11.45	3.83	7.62	1.19	6.51	9.330E-05	.045	.037	4.117E-07	10.12	.74	.50	.349
31	90.0	3.87	11.49	3.87	7.62	.33	6.53	5.507E-04	.268	.218	1.436E-05	10.11	.74	.50	
32	90.0	3.79	11.41	3.79	7.24	0.00	6.17	1.512E-03	.768	.637	1.283E-04	10.24	.75	.50	
33	90.0	3.92	11.54	3.92	3.71	0.00	5.17	2.562E-03	1.096	1.012	2.705E-04	11.05	.80	.50	
34	90.0	3.95	11.57	3.95	0.00	0.00	1.98	2.727E-03	1.094	1.077	2.900E-04	11.50	.83	.50	
35	90.0	3.93	11.51	3.49	-3.59	0.00	-1.17	3.585E-03	1.430	1.417	4.982E-04	11.51	.83	.50	
36															
37															
38	90.0	3.74	11.36	3.74	-7.62	1.15	-4.73	2.225E-03	.956	.879	2.069E-04	11.03	.80	.50	.244
39	90.0	3.81	11.42	3.80	-7.62	2.35	-4.70	6.517E-04	.284	.261	1.829E-05	11.03	.80	.50	.073
40	90.0	3.81	11.42	3.80	-7.62	3.62	-4.70	2.316E-04	.099	.092	2.239E-06	11.03	.80	.50	.025
41	90.0	3.67	11.29	3.67	-7.62	5.04	-4.77	5.136E-05	.022	.020	1.194E-07	11.02	.80	.50	.006
42	90.0	3.62	11.24	3.62	-7.62	5.68	-4.79	1.734E-05	.007	.007	1.263E-08	11.02	.79	.50	.002
43	90.0	7.35	14.97	7.35	7.62	5.70	10.27	1.953E-06	.001	.001	2.016E-10	9.44	.70	.50	.003
44	90.0	7.33	14.95	7.33	7.62	4.91	10.26	1.936E-05	.010	.007	1.762E-08	9.44	.70	.50	.027
45	90.0	7.32	14.94	7.32	7.62	3.72	10.26	5.737E-06	.003	.002	1.721E-09	9.45	.70	.50	.008
46	90.0	7.35	14.98	7.36	7.62	2.37	10.28	3.471E-05	.019	.014	6.304E-08	9.44	.70	.50	.053

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

FFHT TEST (92), MDAC-E RSI GAPS, RUN (157) 1973 PAGE 236

CH	GAMMA (DEG)	XSURF (CM)	X* (CM)	XC (CM)	YC (CM)	Z (CM)	Y-NOR (CM)	HT (KG/M2-S)	HT/HO	HT/HF	NSTT	DELS (CM)	M-THK (CM)	SUB-L (CM)	HT/HE
47	30.0	7.35	14.97	7.35	7.62	1.16	10.27	6.523E-05	.046	.034	3.890E-07	9.44	.70	.50	.125
49	30.0	7.26	14.89	7.26	7.62	.33	10.23	1.714E-04	.092	.068	1.533E-06	9.46	.70	.50	.248
49	30.0	7.27	14.89	7.27	7.30	0.00	9.96	7.003E-04	.370	.277	2.522E-05	9.57	.70	.50	
50	30.0	7.33	14.95	7.33	3.69	0.00	6.66	1.367E-03	.612	.540	8.137E-05	10.64	.77	.50	
51	30.0	7.40	15.02	7.40	0.00	0.00	3.70	1.730E-03	.710	.684	1.193E-04	11.31	.82	.50	
52	30.0	7.58	15.20	7.58	-3.58	0.00	.69	2.819E-03	1.120	1.114	3.069E-04	11.55	.83	.50	
53															
54	30.0	7.26	14.88	7.26	-7.62	.31	-2.97	7.055E-03	2.870	2.788	1.968E-03	11.34	.82	.50	.939
55	30.0	7.33	14.92	7.33	-7.62	1.11	-2.95	2.295E-03	.933	.907	2.083E-04	11.34	.82	.50	.305
56	30.0	7.25	14.87	7.25	-7.62	2.32	-2.97	5.543E-04	.230	.223	1.259E-05	11.34	.82	.50	.075
57	30.0	7.26	14.88	7.26	-7.62	3.70	-2.97	1.430E-04	.058	.057	8.085E-07	11.34	.82	.50	.019
58	30.0	7.24	14.86	7.24	-7.62	4.97	-2.98	4.497E-05	.018	.018	7.998E-08	11.33	.82	.50	.006
59	30.0	7.25	14.87	7.25	-7.62	5.62	-2.97	3.726E-05	.015	.015	5.490E-08	11.34	.82	.50	.005
60	30.0	7.85	15.24	7.62	7.14	.27	10.00	1.032E-04	.055	.041	5.483E-07	9.55	.70	.50	.148
61	30.0	8.25	15.24	7.62	7.35	1.17	10.17	6.270E-05	.034	.025	2.046E-07	9.48	.70	.50	.091
62	30.0	9.92	15.24	7.62	7.13	2.34	9.98	3.961E-05	.021	.015	8.079E-08	9.56	.70	.50	.057
63	30.0	11.29	15.24	7.62	7.19	3.71	10.04	1.813E-05	.010	.007	1.698E-08	9.54	.70	.50	.026
64	30.0	12.66	15.24	7.62	7.14	5.02	9.99	2.259E-05	.012	.009	2.629E-08	9.56	.70	.50	.032
65	30.0	13.22	15.24	7.62	7.14	5.63	9.99	2.328E-05	.012	.009	2.792E-08	9.56	.70	.50	.033
66	30.0	7.98	15.24	7.62	3.44	.36	6.79	3.388E-04	.151	.134	4.985E-06	10.66	.77	.50	.247
67	30.0	8.81	15.24	7.62	3.44	1.19	6.79	1.924E-04	.086	.076	1.608E-06	10.66	.77	.50	.140
68	30.0	10.06	15.24	7.62	3.45	2.44	6.80	7.154E-05	.032	.028	2.223E-07	10.66	.77	.50	.052
69	30.0	11.35	15.24	7.62	3.50	3.74	6.84	6.641E-05	.030	.026	1.918E-07	10.64	.77	.50	.049
70	30.0	12.65	15.24	7.62	3.46	5.04	6.81	5.590E-05	.025	.022	1.359E-07	10.65	.77	.50	.041
71	30.0	13.42	15.24	7.62	3.40	5.81	6.76	1.816E-05	.008	.007	1.430E-08	10.67	.77	.50	.013
72	30.0	8.37	15.24	7.62	0.00	.38	3.81	4.765E-06	.002	.002	9.069E-10	11.29	.81	.50	.003
73	30.0	8.85	15.24	7.62	0.00	1.15	3.81	1.819E-04	.075	.072	1.322E-06	11.29	.81	.50	.105
74	30.0	10.02	15.24	7.62	0.00	2.37	3.81	4.832E-05	.020	.019	9.326E-08	11.29	.81	.50	.028
75	30.0	11.40	15.24	7.62	0.00	3.70	3.81	4.271E-05	.018	.017	7.286E-08	11.29	.81	.50	.025
76	30.0	12.69	15.24	7.62	0.00	4.99	3.81	4.886E-05	.020	.019	9.537E-08	11.29	.81	.50	.028
77	30.0	13.43	15.24	7.62	0.00	5.74	3.91	2.241E-05	.009	.009	2.806E-08	11.29	.81	.50	.013
78	30.0	9.04	15.24	7.62	-3.59	.39	.70	1.411E-03	.561	.557	7.687E-05	11.55	.83	.50	.501
79	30.0	9.82	15.24	7.62	-3.63	1.17	.67	7.258E-04	.289	.287	2.040E-05	11.56	.83	.50	.259
80	30.0	10.97	15.24	7.62	-3.60	2.42	.69	1.343E-04	.053	.053	6.971E-07	11.55	.83	.50	.048
81	30.0	11.41	15.24	7.62	-3.55	3.76	.73	4.386E-05	.017	.017	7.413E-08	11.55	.83	.50	.016
82	30.0	12.73	15.24	7.62	-3.59	5.08	.71	4.545E-05	.018	.018	7.980E-08	11.55	.83	.50	.016
83	30.0	13.44	15.24	7.62	-3.62	5.79	.68	2.367E-05	.038	.008	1.650E-08	11.56	.83	.50	.007
84	30.0	7.92	15.24	7.62	-7.33	.31	-2.54	4.726E-03	1.902	1.865	8.727E-04	11.39	.82	.50	.623
85	30.0	8.19	15.24	7.62	-7.36	1.09	-2.56	1.194E-03	.481	.472	5.589E-05	11.39	.82	.50	.158
86	30.0	8.95	15.24	7.62	-7.36	2.36	-2.56	4.028E-04	.162	.159	6.362E-06	11.39	.82	.50	.053
87	30.0	11.23	15.24	7.62	-7.33	3.74	-2.54	1.214E-04	.049	.048	5.772E-07	11.39	.82	.50	.016
88	30.0	12.59	15.24	7.62	-7.33	5.03	-2.54	9.327E-05	.037	.037	3.409E-07	11.39	.82	.50	.012
89	30.0	13.28	15.24	7.62	-7.36	5.66	-2.56	4.299E-05	.017	.017	7.203E-08	11.39	.82	.50	.006

507

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

RSI-GAP CASE	HEATING TESTS GAP(CM)	ST-6(BTU/FT2-SEC)	G(M/T)	AVERAGE AND MAXIMUM H/HREF(AVE)	ICOUNT	AREA(CM)	H/HREF(MAX)	YC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)
1	.13	3.33	0.00	.959	0	232.26	1.163	0.000	0.000	.543	7.158	-7.244
2	.13	3.33	7.50	.964	0	232.26	1.173	0.000	0.000	.496	7.267	7.300
3	.13	3.33	15.00	.970	0	232.26	1.186	-3.889	3.692	.497	7.267	7.300
4	.13	3.33	30.00	.985	0	232.26	1.274	-3.889	-3.592	.316	7.267	7.300
5	.13	3.33	45.00	.988	0	232.26	1.308	-3.922	3.711	.286	7.159	7.244
6	.13	3.33	60.00	.954	0	232.26	1.266	3.922	-3.711	.299	7.158	.244
7	.13	3.33	75.00	1.067	0	232.26	1.271	0.000	-3.543	.397	7.158	7.244
8	.13	3.33	82.50	1.006	0	232.26	1.268	0.000	-3.543	.459	7.158	7.244
9	.13	3.33	90.00	1.063	10	145.16	1.384	0.000	-3.543	.604	7.267	7.300
10	.23	3.33	0.00	.991	0	232.26	1.184	-3.952	0.000	.594	7.158	-7.244
11	.23	3.33	7.50	.993	0	232.26	1.184	-3.952	0.000	.513	7.267	7.300
12	.23	3.33	15.00	.999	0	232.26	1.210	-3.889	3.692	.436	7.267	7.300
13	.23	3.33	30.00	.997	0	232.26	1.258	-3.889	3.692	.331	7.267	7.300
14	.23	3.33	45.00	1.024	0	232.26	1.327	-3.922	3.711	.267	7.158	7.244
15	.23	3.33	60.00	1.026	0	232.26	1.302	3.922	-3.711	.296	7.158	7.244
16	.23	3.33	75.00	1.028	0	232.26	1.278	0.000	-3.543	.373	7.158	7.244
17	.23	3.33	82.50	1.036	0	232.26	1.295	0.000	-3.543	.439	7.158	7.244
18	.23	3.33	90.00	1.095	10	145.16	1.318	0.000	-3.543	.615	0.000	7.292
19	.46	3.33	0.00	1.017	0	232.26	1.285	3.792	7.242	.614	7.402	0.000
20	.46	3.33	7.50	1.020	0	232.26	1.361	3.744	-7.277	.526	7.267	7.300
21	.46	3.33	15.00	1.064	0	232.26	1.498	3.744	-7.277	.402	7.267	7.300
22	.46	3.33	30.00	1.073	0	232.26	1.583	3.744	-7.277	.290	7.267	7.300
23	.46	3.33	45.00	1.113	0	232.26	1.627	3.792	-7.242	.251	7.158	7.244
24	.46	3.33	60.00	1.119	0	232.26	1.574	-7.320	3.686	.261	7.158	7.244
25	.46	3.33	75.00	1.122	0	232.26	1.457	3.792	-7.242	.350	7.158	7.244
26	.46	3.33	82.50	1.130	0	232.26	1.419	-7.320	3.686	.452	7.158	7.244
27	.46	3.33	90.00	1.133	10	145.15	1.337	-3.744	-7.277	.555	0.000	7.292
28	.71	3.33	0.00	1.037	0	232.26	1.294	3.792	7.242	.568	7.402	0.000
29	.71	3.33	7.50	1.095	0	232.26	1.475	3.744	-7.277	.552	7.267	7.300
30	.71	3.33	15.00	1.195	0	232.26	1.679	3.744	-7.277	.435	7.267	7.300
31	.71	3.33	30.00	1.163	0	232.26	1.949	3.744	-7.277	.277	7.267	7.300
32	.71	3.33	45.00	1.165	0	232.26	1.870	-7.320	3.686	.213	7.158	7.244
33	.71	3.33	60.00	1.159	0	232.26	1.937	-7.320	3.686	.242	7.158	7.244
34	.71	3.33	75.00	1.164	0	232.26	1.943	-7.320	3.686	.342	7.158	7.244
35	.71	3.33	82.50	1.181	0	232.26	1.853	-7.320	3.686	.439	7.158	7.244
36	.13	.25	0.00	1.190	0	232.26	1.941	-7.158	7.244	.514	0.000	7.292
37	.13	.25	7.50	1.227	0	232.26	2.024	-7.158	7.244	.562	7.257	7.300
38	.13	.25	15.00	1.238	0	232.26	2.097	-7.158	7.244	.425	7.267	7.300
39	.13	.25	30.00	1.275	0	232.26	2.172	3.744	-7.277	.320	7.267	7.300
40	.13	.25	45.00	1.303	0	232.26	2.366	3.792	-7.242	.252	7.158	7.244
41	.13	.25	60.00	1.313	0	232.26	2.433	3.792	-7.242	.240	7.158	7.244
42	.13	.25	75.00	1.294	0	232.26	2.331	7.267	-7.300	.338	7.158	7.244
43	.13	.25	82.50	1.288	0	232.26	2.299	7.267	-7.300	.467	7.158	7.244
44	.13	.25	90.00	1.284	0	232.26	2.287	7.267	-7.368	.633	3.000	7.292
45	.23	.25	0.00	1.259	0	232.26	1.980	-7.267	-7.300	.662	7.328	3.686
46	.23	.25	7.50	1.285	0	232.26	2.297	-7.158	7.244	.535	7.267	7.300

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

RSI-GAP CASE	HEATING TESTS GAP(CM)	STEP(CM)	CFHT GDEG)	AVERAGE AND MAXIMUM H/HREF(AVE)	ICOUNT	AREA(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)	
47	.23	.25	15.00	1.206	0	232.26	2.062	-7.158	7.244	.396	7.267	7.300	
48	.23	.25	30.00	1.325	0	232.26	2.505	3.744	-7.277	.302	7.267	7.300	
49	.23	.25	45.00	1.362	0	232.26	2.699	3.792	-7.242	.231	7.158	7.244	
50	.23	.25	60.00	1.356	0	232.26	2.704	7.267	-7.300	.227	7.158	7.244	
51	.23	.25	75.00	1.338	0	232.26	2.640	7.267	-7.300	.325	7.158	7.244	
52	.23	.25	82.50	1.326	0	232.26	2.549	7.267	-7.300	.452	7.158	7.244	
53	.23	.25	90.00	1.295	0	232.26	2.398	-7.158	-7.244	.604	8.000	7.292	
54	.46	.25	0.00	1.322	0	232.26	2.568	-7.328	-3.686	.618	7.328	3.686	
55	.46	.25	7.50	1.346	0	232.26	2.644	-7.158	7.244	.546	7.267	7.300	
56	.46	.25	15.00	1.375	1	232.26	2.741	-7.579	3.584	.412	7.267	7.300	
57	.46	.25	30.00	1.361	2	221.17	2.916	-7.579	3.584	.290	7.267	7.300	
58	.46	.25	45.00	1.332	2	217.50	2.842	-7.267	7.300	.202	7.158	7.244	
59	.46	.25	56.00	1.340	2	221.13	2.889	3.792	-7.242	.203	7.158	7.244	
60	.46	.25	75.00	1.378	1	232.26	2.937	3.792	-7.242	.309	7.158	7.244	
61	.46	.25	82.50	1.276	3	217.50	2.699	-3.744	-7.277	.432	7.158	7.244	← EXCLUDED
62	.46	.25	90.00	1.194	4	210.48	1.676	0.000	-7.267	.631	0.000	7.292	← EXCLUDED
63	.71	.25	0.00	1.276	2	216.77	2.844	-7.402	0.000	.574	7.402	0.000	
64	.71	.25	7.50	1.303	2	216.77	2.799	-7.402	0.000	.538	7.267	7.300	
65	.71	.25	15.00	1.281	4	205.89	2.783	-7.402	0.000	.387	7.267	7.300	
66	.71	.25	30.00	1.281	5	202.50	2.742	-7.402	0.000	.277	7.267	7.300	
67	.71	.25	45.00	1.279	5	202.50	2.605	-7.402	0.000	.175	7.158	7.244	
68	.71	.25	60.00	1.315	4	206.37	2.959	3.792	-7.242	.171	7.158	7.244	
69	.71	.25	75.00	1.283	5	202.74	2.934	0.000	-7.292	.261	7.158	7.244	
70	.71	.25	82.50	1.247	4	210.48	2.160	-7.328	3.686	.362	7.158	7.244	← EXCLUDED
71	.71	.25	90.00	1.228	4	210.48	1.535	-7.328	3.686	.566	0.000	7.292	← EXCLUDED
72	.23	-.17	0.00	.864	0	232.26	1.129	0.000	0.000	.251	-7.158	7.244	
73	.23	-.17	15.00	.874	10	145.16	1.169	0.000	-3.632	.232	-7.158	7.244	
74	.23	-.17	30.00	.872	10	145.16	1.188	0.000	-3.632	.235	-7.158	7.244	
75	.23	-.17	45.00	.856	0	232.26	1.189	-3.922	3.711	.219	-7.158	-7.244	
76	.23	-.17	60.00	.857	0	232.26	1.240	-3.922	3.711	.204	-7.158	-7.244	
77	.23	-.17	75.00	.850	3	232.26	1.166	-3.922	3.711	.211	-7.158	-7.244	
78	.23	-.17	90.00	.859	0	232.26	1.157	0.000	-3.632	.231	-7.158	-7.244	

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

SIDE 1

AVERAGE CASE	MAX. AND MIN. GAP(CM)	STEP(CM)	HEAT IN GAP ---- CFHT G(DEG)	H/HREF(AVE)	ICONT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)
1	.13	1.00	0.00	.396	1	11.43	.421	-7.620	-3.444	.366	-7.620	3.592
2	.13	3.00	7.50	.390	1	11.43	.426	-7.620	7.330	.336	-7.620	-7.142
3	.13	3.00	15.00	.381	1	11.43	.458	-7.620	7.330	.288	-7.620	-7.142
4	.13	3.00	30.00	.384	1	11.43	.462	-7.620	7.330	.271	-7.620	-7.142
5	.13	3.00	45.00	.394	1	11.43	.502	-7.620	3.444	.282	-7.620	-7.330
6	.13	3.00	60.00	.402	1	11.43	.531	-7.620	3.444	.287	-7.620	-3.592
7	.13	3.00	75.00	.383	1	11.43	.474	-7.620	3.444	.330	-7.620	7.142
8	.13	3.00	82.50	.361	1	11.43	.458	-7.620	3.444	.323	-7.620	7.142
9	.13	3.00	90.00	.313	1	11.43	.437	-7.620	3.444	.278	-7.620	7.142
10	.23	1.00	0.00	.449	1	11.43	.502	-7.620	-3.444	.397	-7.620	3.592
11	.23	3.00	7.50	.442	1	11.43	.477	-7.620	-3.444	.408	-7.620	-7.142
12	.23	3.00	15.00	.440	1	11.43	.492	-7.620	7.330	.360	-7.620	-7.142
13	.23	3.00	30.00	.435	1	11.43	.506	-7.620	7.342	.313	-7.620	-7.142
14	.23	3.00	45.00	.463	1	11.43	.620	-7.620	7.342	.288	-7.620	-7.330
15	.23	3.00	60.00	.453	1	11.43	.607	-7.620	3.444	.296	-7.620	-7.330
16	.23	3.00	75.00	.432	1	11.43	.551	-7.620	3.444	.342	-7.620	-7.330
17	.23	3.00	82.50	.419	1	11.43	.523	-7.620	3.444	.354	-7.620	7.142
18	.23	3.00	90.00	.416	1	11.43	.484	-7.620	3.444	.292	-7.620	7.142
19	.46	3.00	0.00	.592	1	11.43	.607	-7.620	-7.142	.485	-7.620	3.592
20	.46	3.00	7.50	.575	1	11.43	.620	-7.620	-3.444	.508	-7.620	3.592
21	.46	3.00	15.00	.569	1	11.43	.625	-7.620	7.330	.505	-7.620	-7.142
22	.46	3.00	30.00	.541	1	11.43	.593	-7.620	7.330	.408	-7.620	-7.142
23	.46	3.00	45.00	.616	1	11.43	.842	-7.620	3.444	.371	-7.620	-3.592
24	.46	3.00	60.00	.627	1	11.43	.874	-7.620	3.444	.413	-7.620	-3.592
25	.46	3.00	75.00	.641	1	11.43	.845	-7.620	3.444	.470	-7.620	-7.330
26	.46	3.00	82.50	.649	1	11.43	.838	-7.620	3.444	.509	-7.620	-7.330
27	.46	3.00	90.00	.596	1	11.43	.750	-7.620	3.444	.476	-7.620	7.142
28	.71	1.00	0.00	.757	1	11.43	.865	-7.620	7.330	.676	-7.620	3.592
29	.71	3.00	7.50	.749	1	11.43	.870	-7.620	7.330	.697	-7.620	3.592
30	.71	3.00	15.00	.735	1	11.43	.933	-7.620	7.330	.626	-7.620	-7.142
31	.71	3.00	30.00	.703	1	11.43	.901	-7.620	7.330	.466	-7.620	-7.142
32	.71	3.00	45.00	.823	1	11.43	1.107	-7.620	3.444	.528	-7.620	-7.330
33	.71	3.00	60.00	.874	1	11.43	1.265	-7.620	3.444	.488	-7.620	-7.330
34	.71	3.00	75.00	.939	1	11.43	1.353	-7.620	3.444	.533	-7.620	-7.330
35	.71	3.00	82.50	.937	1	11.43	1.345	-7.620	3.444	.591	-7.620	7.142
36	.13	.25	0.00	.901	1	11.43	1.503	-7.620	7.330	.626	-7.620	-3.592
37	.13	.25	7.50	1.175	1	11.43	1.661	-7.620	7.330	1.039	-7.620	3.592
38	.13	.25	15.00	1.178	1	11.43	1.731	-7.620	7.330	1.013	-7.620	-3.444
39	.13	.25	30.00	1.148	1	11.43	1.739	-7.620	7.330	.919	-7.620	-3.444
40	.13	.25	45.00	1.122	1	11.43	1.488	-7.620	7.342	.693	-7.620	-3.592
41	.13	.25	60.00	1.023	1	11.43	1.268	-7.620	3.444	.650	-7.620	-3.592
42	.13	.25	75.00	.866	1	11.43	1.291	-7.620	3.444	.588	-7.620	-3.592
43	.13	.25	82.50	.787	1	11.43	1.394	-7.620	7.330	.564	-7.620	7.142
44	.13	.25	90.00	.708	1	11.43	1.484	-7.620	7.330	.432	-7.620	7.142
45	.23	.25	0.00	1.306	1	11.43	1.627	-7.620	7.330	1.066	-7.620	3.592
46	.23	.25	7.50	1.337	1	11.43	1.961	-7.620	7.330	1.170	-7.620	3.592

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AVERAGE CASE	MAX. GAP(CM)	AVG MIN. STEP(CM)	HEAT IN GAP ---- CFHT G(DEG)	H/HREF(AVE)	ICONT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)	SIGE 1
47	.23	.25	15.30	1.330	1	11.43	2.035	-7.620	7.330	1.136	-7.620	-3.444	
48	.23	.25	30.00	1.299	1	11.43	2.040	-7.620	7.330	.994	-7.620	-3.444	
49	.23	.25	45.00	1.276	1	11.43	1.787	-7.620	7.142	.718	-7.620	-3.592	
50	.23	.25	60.00	1.161	1	11.43	1.488	-7.623	7.142	.648	-7.620	-3.592	
51	.23	.25	75.00	.961	1	11.43	1.452	-7.620	-7.330	.577	-7.620	-3.592	
52	.23	.25	82.50	.858	1	11.43	1.581	-7.620	-7.330	.543	-7.620	-3.592	
53	.23	.25	90.30	.764	1	11.43	1.713	-7.620	-7.330	.502	-7.620	7.142	
54	.46	.25	6.30	1.770	1	11.43	1.962	-7.620	-3.444	1.378	-7.620	-7.142	
55	.46	.25	7.50	1.807	1	11.43	2.424	-7.620	7.330	.998	-7.620	-7.142	
56	.46	.25	15.00	1.879	1	11.43	2.695	-7.620	7.330	.989	-7.620	-7.142	
57	.46	.25	30.00	1.829	1	11.43	2.807	-7.620	7.330	.977	-7.620	-7.142	
58	.46	.25	45.00	1.702	1	11.43	2.326	-7.620	3.444	1.023	-7.620	-3.592	
59	.46	.25	60.00	1.535	1	11.43	2.060	-7.620	3.444	.947	-7.620	-3.592	
60	.46	.25	75.00	1.256	1	11.43	1.613	-7.620	-7.330	.925	-7.620	-3.592	
61	.46	.25	82.50	1.076	1	11.43	1.757	-7.620	-7.330	.837	-7.620	7.142	
62	.46	.25	90.00	.895	1	11.43	1.940	-7.620	-7.330	.486	-7.620	7.142	
63	.71	.25	0.00	2.110	1	11.43	2.540	-7.620	-3.444	1.499	-7.620	-7.142	
64	.71	.25	7.50	2.221	1	11.43	2.570	-7.620	7.330	1.174	-7.620	-7.142	
65	.71	.25	15.00	2.138	2	9.40	2.522	-7.620	3.592	1.144	-7.620	-7.142	
66	.71	.25	30.00	2.005	2	9.40	2.602	-7.620	3.592	1.216	-7.620	-7.142	
67	.71	.25	45.00	1.785	2	7.75	2.797	-7.620	7.142	1.325	-7.620	-7.330	
68	.71	.25	50.30	1.580	2	7.75	2.395	-7.620	7.142	1.420	-7.620	-7.330	
69	.71	.25	75.00	1.776	1	11.43	2.266	-7.620	3.444	1.423	-7.620	-3.592	
70	.71	.25	82.50	1.544	1	11.43	1.840	-7.623	-7.330	1.216	-7.620	7.142	
71	.71	.25	90.00	1.236	1	11.43	2.021	-7.620	-7.330	.769	-7.620	7.142	
72	.23	.17	6.00	.201	1	11.43	.234	-7.620	-3.444	.151	-7.620	7.330	
73	.23	.17	15.00	.191	1	11.43	.214	-7.620	-3.444	.147	-7.620	7.330	
74	.23	.17	30.00	.184	1	11.43	.213	-7.620	3.592	.139	-7.620	-7.142	
75	.23	.17	45.00	.263	1	11.43	.269	-7.620	3.444	.142	-7.620	-7.330	
76	.23	.17	60.00	.214	1	11.43	.273	-7.620	3.444	.140	-7.620	-7.330	
77	.23	.17	75.00	.241	1	11.43	.289	-7.620	3.444	.142	-7.620	-7.330	
78	.23	.17	90.00	.298	1	11.43	.356	-7.620	3.444	.155	-7.620	-7.330	

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AVERAGE CASE	DELTA(CM)	MAX. AND MIN. STEP(CM)	HEAT IN GAP ---- CFNT GIDEG)	H/HREF(AVE)	COUNT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)	SIDE 2
1	.13	3.33	0.00	.311	1	11.43	.339	7.620	-7.330	.203	7.620	7.142	
2	.13	3.33	7.50	.315	1	11.43	.390	7.620	-7.330	.244	7.620	7.142	
3	.13	3.33	15.00	.321	1	11.43	.435	7.620	-7.330	.288	7.620	7.142	
4	.13	3.33	30.00	.330	1	11.43	.517	7.620	-7.330	.174	7.620	7.142	
5	.13	3.33	45.00	.338	1	11.43	.467	7.620	-7.142	.191	7.620	7.338	
6	.13	3.33	60.00	.338	1	11.43	.458	7.620	-7.142	.209	7.620	7.338	
7	.13	3.33	75.00	.372	1	11.43	.437	7.620	-3.444	.255	7.620	7.338	
8	.13	3.33	82.50	.383	1	11.43	.440	7.620	-3.444	.240	7.620	7.330	
9	.23	3.33	0.00	.325	1	11.43	.368	7.620	-7.330	.295	7.620	7.142	
10	.23	3.33	7.50	.329	1	11.43	.422	7.620	-7.330	.246	7.620	7.142	
11	.23	3.33	15.00	.336	1	11.43	.484	7.620	-7.330	.200	7.620	7.142	
12	.23	3.33	30.00	.355	1	11.43	.574	7.620	-7.330	.167	7.620	7.142	
13	.23	3.33	45.00	.388	1	11.43	.487	7.620	-7.142	.198	7.620	7.338	
14	.23	3.33	60.00	.386	1	11.43	.491	7.620	-7.142	.200	7.620	7.338	
15	.23	3.33	75.00	.391	1	11.43	.469	7.620	-3.444	.240	7.620	7.338	
16	.23	3.33	82.50	.419	1	11.43	.475	7.620	-3.444	.276	7.620	7.338	
17	.46	3.33	0.00	.338	1	11.43	.440	7.620	-7.330	.276	7.620	3.444	
18	.46	3.33	7.50	.352	1	11.43	.561	7.620	-7.330	.260	7.620	7.142	
19	.46	3.33	15.00	.345	1	11.43	.626	7.620	-7.330	.180	7.620	7.142	
20	.46	3.33	30.00	.369	1	11.43	.706	7.620	-7.330	.126	7.620	7.338	
21	.46	3.33	45.00	.374	1	11.43	.831	7.620	-7.142	.161	7.620	7.338	
22	.46	3.33	60.00	.418	1	11.43	.616	7.620	-7.142	.186	7.620	7.338	
23	.46	3.33	75.00	.463	1	11.43	.560	7.620	-7.142	.254	7.620	7.330	
24	.46	3.33	82.50	.514	1	11.43	.576	7.620	-3.444	.329	7.620	7.330	
25	.71	3.33	0.00	.314	1	11.43	.452	7.620	-7.330	.222	7.620	3.444	
26	.71	3.33	7.50	.317	1	11.43	.602	7.620	-7.330	.212	7.620	3.444	
27	.71	3.33	15.00	.332	1	11.43	.719	7.620	-7.330	.194	7.620	7.142	
28	.71	3.33	30.00	.368	1	11.43	.831	7.620	-7.330	.092	7.620	7.142	
29	.71	3.33	45.00	.343	1	11.43	.674	7.620	-7.142	.102	7.620	7.330	
30	.71	3.33	60.00	.380	1	11.43	.686	7.620	-7.142	.146	7.620	7.333	
31	.71	3.33	75.00	.446	1	11.43	.634	7.620	-7.142	.251	7.620	7.330	
32	.71	3.33	82.50	.513	1	11.43	.585	7.620	-7.142	.343	7.620	7.330	
33	.13	.25	0.00	.493	1	11.43	.808	7.620	3.592	.307	7.620	3.444	
34	.13	.25	7.50	.349	1	11.43	.585	7.620	-7.330	.254	7.620	7.142	
35	.13	.25	15.00	.373	1	11.43	.770	7.620	-7.330	.182	7.620	7.142	
36	.13	.25	30.00	.453	1	11.43	1.168	7.620	-7.330	.127	7.620	7.142	
37	.13	.25	45.00	.489	1	11.43	1.223	7.620	-7.142	.154	7.620	7.338	
38	.13	.25	60.00	.549	1	11.43	1.437	7.620	-7.142	.162	7.620	7.338	
39	.13	.25	75.00	.603	1	11.43	1.501	7.620	-7.142	.242	7.620	7.330	
40	.13	.25	82.50	.648	1	11.43	1.475	7.620	-7.142	.340	7.620	7.330	
41	.13	.25	90.00	.743	1	11.43	1.445	7.620	-7.142	.519	7.620		
42	.23	.25	0.00	.349	1	11.43	.465	7.620	-7.330	.303	7.620	3.444	
43	.23	.25	7.50	.365	1	11.43	.694	7.620	-7.330	.244	7.620	7.142	
44	.23	.25	15.00	.393	1	11.43	.906	7.620	-7.330	.164	7.620	7.142	
45	.23	.25	30.00	.486	1	11.43	1.370	7.620	-7.330	.115	7.620	7.338	
46	.23	.25	45.00	.538	1	11.43	1.522	7.620	-7.142	.129	7.620		

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

SIDE 2

AVERAGE CASE	GAP(CM) MAX.	STEP(CM) AVG MIN.	HEAT IN GAP (DEG)	GAP H/HREF(AVE)	CONT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)
47	.23	.25	60.00	.591	1	11.43	1.757	7.620	-7.142	.138	7.620	7.330
48	.23	.25	75.00	.639	1	11.43	1.773	7.620	-7.142	.229	7.620	7.330
49	.23	.25	82.50	.680	1	11.43	1.741	7.620	-7.142	.327	7.620	7.330
50	.23	.25	90.00	.753	1	11.43	1.628	7.620	-7.142	.516	7.620	7.330
51	.46	.25	0.00	.297	1	11.43	.453	7.620	-7.330	.208	7.620	3.444
52	.46	.25	7.50	.322	1	11.43	.782	7.620	-7.330	.190	7.620	3.444
53	.46	.25	15.00	.365	1	11.43	1.090	7.620	-7.330	.130	7.620	7.142
54	.46	.25	30.00	.474	1	11.43	1.596	7.620	-7.330	.076	7.620	7.142
55	.46	.25	45.00	.533	1	11.43	1.751	7.620	-7.142	.047	7.620	7.330
56	.46	.25	60.00	.645	1	11.43	2.172	7.620	-7.142	.103	7.620	7.330
57	.46	.25	75.00	.734	1	11.43	2.213	7.620	-7.142	.206	7.620	7.330
58	.46	.25	82.50	.792	1	11.43	2.055	7.620	-7.142	.316	7.620	7.330
59	.46	.25	90.00	.998	1	11.43	1.910	7.620	-7.142	.651	7.620	7.330
60	.71	.25	0.00	.263	1	11.43	.491	7.620	-7.330	.132	7.620	3.444
61	.71	.25	7.50	.293	1	11.43	.870	7.620	-7.330	.116	7.620	3.444
62	.71	.25	15.00	.365	1	11.43	1.245	7.620	-7.330	.103	7.620	7.142
63	.71	.25	30.00	.562	1	11.43	1.865	7.620	-7.330	.041	7.620	7.142
64	.71	.25	45.00	.592	1	11.43	2.013	7.620	-7.142	.043	7.620	7.330
65	.71	.25	60.00	.695	1	11.43	2.449	7.620	-7.142	.069	7.620	7.330
66	.71	.25	75.00	.742	1	11.43	2.390	7.620	-7.142	.151	7.620	7.330
67	.71	.25	82.50	.851	1	11.43	2.234	7.620	-7.142	.271	7.620	7.330
68	.71	.25	90.00	1.163	1	11.43	2.049	7.620	-7.142	.703	7.620	7.330
69	.23	-.17	0.00	.308	1	11.43	.448	7.620	-7.330	.337	7.620	7.142
70	.23	-.17	45.00	.319	1	11.43	.450	7.620	-3.444	.185	7.620	-7.142
71	.23	-.17	60.00	.363	1	11.43	.412	7.620	-3.444	.157	7.620	-7.142
72	.23	-.17	75.00	.292	1	11.43	.375	7.620	-3.444	.142	7.620	-7.142
73	.23	-.17	90.00	.255	1	11.43	.368	7.620	-3.444	.122	7.620	-7.142

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

SIDE 3

CASE	AVERAGE GAP(CM)	MAX. GAP(CM)	AND MIN. STEP(CM)	HEAT IN GAP ---- CFHT G(DEG)	H/HREF(AVE)	ICONT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)
1	.13	2.00	0.00	.373		0	15.24	.413	-3.868	-7.620	.323	-7.262	-7.626
2	.13	3.00	7.50	.382		0	15.24	.419	3.790	-7.620	.308	-7.262	-7.620
3	.13	2.00	15.00	.405		0	15.24	.446	3.790	-7.620	.264	-7.262	-7.620
4	.13	2.00	30.00	.411		0	15.24	.496	7.262	-7.620	.262	-7.262	-7.620
5	.13	2.00	45.00	.433		0	15.24	.596	3.868	-7.620	.260	-7.262	-7.620
6	.13	3.00	60.00	.442		0	15.24	.602	3.868	-7.620	.277	-7.262	-7.620
7	.13	3.00	75.00	.441		0	15.24	.555	3.868	-7.620	.322	-7.262	-7.620
8	.13	3.00	82.50	.441		0	15.24	.529	3.868	-7.620	.344	-7.262	-7.620
9	.13	3.00	90.00	.434		2	9.52	.465	0.000	-7.620	.386	-7.262	-7.620
10	.23	3.00	0.00	.412		0	15.24	.444	-3.868	-7.620	.359	-7.262	-7.620
11	.23	3.00	7.50	.425		0	15.24	.483	3.790	-7.620	.356	-7.262	-7.620
12	.23	2.00	15.00	.442		0	15.24	.513	3.790	-7.620	.330	-7.262	-7.626
13	.23	3.00	30.00	.466		0	15.24	.570	7.262	-7.620	.292	-7.262	-7.620
14	.23	3.00	45.00	.483		0	15.24	.646	3.868	-7.620	.274	-7.262	-7.620
15	.23	3.00	60.00	.495		0	15.24	.643	3.868	-7.620	.287	-7.262	-7.620
16	.23	1.00	75.00	.485		0	15.24	.600	3.868	-7.620	.332	-7.262	-7.620
17	.23	3.00	82.50	.481		0	15.24	.572	3.868	-7.620	.363	-7.262	-7.620
18	.23	1.00	90.00	.491		2	9.52	.530	0.000	-7.620	.426	-7.262	-7.620
19	.46	3.00	0.00	.500		0	15.24	.635	3.790	-7.620	.481	-7.262	-7.620
20	.46	1.00	7.50	.642		0	15.24	.748	3.790	-7.620	.527	-7.262	-7.620
21	.46	3.00	15.00	.666		0	15.24	.813	3.790	-7.620	.466	-7.262	-7.620
22	.46	3.00	30.00	.662		0	15.24	.814	3.790	-7.620	.389	-7.262	-7.620
23	.46	3.00	45.00	.706		0	15.24	.920	3.868	-7.620	.422	-7.262	-7.620
24	.46	1.00	61.00	.721		0	15.24	.927	0.000	-7.620	.416	-7.262	-7.620
25	.46	3.00	75.00	.711		0	15.24	.916	0.000	-7.620	.472	-7.262	-7.620
26	.46	1.00	82.50	.694		0	15.24	.832	0.000	-7.620	.523	-7.262	-7.620
27	.46	3.00	90.00	.622		2	9.52	.678	-3.790	-7.620	.571	-7.262	-7.626
28	.71	3.00	0.00	.716		0	15.24	.771	3.790	-7.620	.588	-7.262	-7.620
29	.71	3.00	7.50	.809		0	15.24	.944	3.790	-7.620	.609	-7.262	-7.620
30	.71	3.00	15.00	.844		0	15.24	1.089	3.790	-7.620	.573	-7.262	-7.620
31	.71	1.00	30.00	.863		0	15.24	1.216	3.793	-7.620	.444	-7.262	-7.620
32	.71	3.00	45.00	.838		0	15.24	1.116	3.868	-7.620	.466	-7.262	-7.620
33	.71	3.00	60.00	.848		0	15.24	1.082	0.000	-7.620	.464	-7.262	-7.620
34	.71	3.00	75.00	.862		0	15.24	1.110	0.000	-7.620	.553	-7.262	-7.620
35	.71	3.00	82.50	.873		0	15.24	1.076	0.000	-7.620	.641	-7.262	-7.620
36	.13	.25	0.00	.747		0	15.24	1.654	-7.262	-7.620	.537	7.262	-7.620
37	.13	.25	7.50	.739		0	15.24	.926	-7.262	-7.620	.663	0.000	-7.620
38	.13	.25	15.00	.842		0	15.24	1.045	7.262	-7.620	.734	-3.868	-7.620
39	.13	.25	30.00	1.051		0	15.24	1.540	7.262	-7.620	.834	-3.868	-7.620
40	.13	.25	45.00	1.176		0	15.24	1.496	7.262	-7.620	.797	-3.790	-7.620
41	.13	.25	60.00	1.297		0	15.24	1.689	7.262	-7.620	.943	-3.790	-7.620
42	.13	.25	75.00	1.374		0	15.24	1.690	7.262	-7.620	1.062	-3.790	-7.620
43	.13	.25	82.50	1.391		0	15.24	1.628	7.262	-7.620	1.138	-3.790	-7.620
44	.13	.25	90.00	1.373		0	15.24	1.656	-7.262	-7.620	1.241	-3.790	-7.620
45	.23	.25	0.00	.717		0	15.24	1.260	-7.262	-7.620	.569	0.000	-7.620
46	.23	.25	7.50	.881		0	15.24	1.093	-7.262	-7.620	.762	0.000	-7.620

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

SIDE 3

AVERAGE CASE	MAX. GAP(CM)	AVG MIN. STEP(CM)	HEAT IN GAP ---- CFHT (DEG)	H/HREF(AVE)	ICONT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)
47	.23	.25	15.00	1.346	0	15.24	1.262	7.262	-7.620	.917	-3.868	-7.620
48	.23	.25	30.00	1.338	0	15.24	1.837	7.262	-7.620	.981	-7.262	-7.620
49	.23	.25	45.00	1.482	0	15.24	1.948	3.868	-7.620	.977	-3.790	-7.620
50	.23	.25	60.00	1.605	0	15.24	2.071	7.262	-7.620	1.184	-3.790	-7.620
51	.23	.25	75.00	1.721	0	15.24	2.035	7.262	-7.620	1.323	-3.790	-7.620
52	.23	.25	82.50	1.710	0	15.24	1.960	7.262	-7.620	1.407	-3.790	-7.620
53	.23	.25	90.00	1.603	0	15.24	1.917	-7.262	-7.620	1.326	0.000	-7.620
54	.46	.25	0.00	.666	0	15.24	1.033	-7.262	-7.620	.577	0.000	-7.620
55	.46	.25	7.50	.956	0	15.24	1.195	3.790	-7.620	.752	-3.868	-7.620
56	.46	.25	15.00	1.334	0	15.24	1.735	3.790	-7.620	.881	-7.262	-7.620
57	.46	.25	30.00	1.836	0	15.24	2.434	3.790	-7.620	.934	-7.262	-7.620
58	.46	.25	45.00	1.966	0	15.24	2.473	3.868	-7.620	1.221	-7.262	-7.620
59	.46	.25	60.00	2.035	0	15.24	2.569	7.262	-7.620	1.412	-7.262	-7.620
60	.46	.25	75.00	2.196	0	15.24	2.569	7.262	-7.620	1.084	-7.262	-7.620
61	.46	.25	82.50	2.150	0	15.24	2.526	3.868	-7.620	1.707	0.000	-7.620
62	.46	.25	90.00	1.957	0	15.24	2.429	3.868	-7.620	1.050	0.000	-7.620
63	.71	.25	0.00	.832	0	15.24	1.173	-7.262	-7.620	.704	0.000	-7.620
64	.71	.25	7.50	1.240	0	15.24	1.603	3.790	-7.620	.988	-7.262	-7.620
65	.71	.25	15.00	1.712	0	15.24	2.306	3.790	-7.620	1.042	-7.262	-7.620
66	.71	.25	30.00	2.063	1	11.56	2.788	7.262	-7.620	1.179	-7.262	-7.620
67	.71	.25	45.00	2.154	10	11.56	2.561	0.000	-7.620	1.293	-7.262	-7.620
68	.71	.25	60.00	2.415	0	15.24	2.891	7.262	-7.620	1.472	-7.262	-7.620
69	.71	.25	75.00	2.505	0	15.24	2.804	7.262	-7.620	1.066	-7.262	-7.620
70	.71	.25	82.50	2.266	1	11.56	2.638	-3.790	-7.620	1.807	0.000	-7.620
71	.71	.25	90.00	2.077	1	11.56	2.811	-3.790	-7.620	1.074	0.000	-7.620
72	.23	-.17	0.00	.325	0	15.24	.426	-3.868	-7.620	.203	-7.262	-7.620
73	.23	-.17	15.00	.265	2	9.52	.319	-3.868	-7.620	.175	-7.262	-7.620
74	.23	-.17	30.00	.218	2	9.52	.254	-3.868	-7.620	.137	-7.262	-7.620
75	.23	-.17	45.00	.220	0	15.24	.294	3.868	-7.620	.131	-7.262	-7.620
76	.23	-.17	60.00	.215	0	15.24	.276	3.868	-7.620	.120	-7.262	-7.620
77	.23	-.17	75.00	.203	0	15.24	.260	0.000	-7.620	.120	-7.262	-7.620
78	.23	-.17	90.00	.208	0	15.24	.247	0.000	-7.620	.116	7.262	-7.620

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

CASE	AVERAGE STEP(CM)	MAX. AND MIN. STEP(CM)	HEAT IN GAP GIDE(S)	---- CPHT W/MREF(AVE)	ICONT	DIST(CM)	W/MREF(MAX)	XC(CM)	YC(CM)	W/MREF(MIN)	XMC(CM)	YMC(CM)	SIGMA
1	.13	0.00	0.00	.404	0	15.24	.473	3.868	7.620	.292	7.262	7.620	
2	.13	3.00	7.50	.371	0	15.24	.419	3.868	7.620	.242	7.262	7.620	
3	.13	9.00	15.00	.351	0	15.24	.404	-7.262	7.620	.210	7.262	7.620	
4	.13	0.00	30.00	.332	0	15.24	.416	-7.262	7.620	.176	7.262	7.620	
5	.13	3.00	45.00	.325	0	15.24	.451	-7.262	7.620	.185	7.262	7.620	
6	.13	3.00	60.00	.321	0	15.24	.421	-7.262	7.620	.199	7.262	7.620	
7	.13	2.70	75.00	.307	0	15.24	.374	-3.868	7.620	.237	7.262	7.620	
8	.13	0.00	82.50	.304	0	15.24	.350	-3.868	7.620	.265	7.262	7.620	
9	.13	2.00	90.00	.315	2	9.52	.350	-3.868	7.620	.272	7.262	7.620	
10	.23	3.00	0.00	.416	0	15.24	.490	3.868	7.620	.310	7.262	7.620	
11	.23	3.00	7.50	.306	0	15.24	.430	3.868	7.620	.246	7.262	7.620	
12	.23	2.00	15.00	.366	0	15.24	.426	-7.262	7.620	.214	7.262	7.620	
13	.23	3.00	30.00	.333	0	15.24	.444	-7.262	7.620	.169	7.262	7.620	
14	.23	0.00	45.00	.348	0	15.24	.503	-7.262	7.620	.198	7.262	7.620	
15	.23	3.00	60.00	.329	0	15.24	.526	-7.262	7.620	.195	7.262	7.620	
16	.23	3.00	75.00	.361	0	15.24	.397	-7.262	7.620	.220	7.262	7.620	
17	.23	3.00	82.50	.298	0	15.24	.333	-3.868	7.620	.255	7.262	7.620	
18	.23	3.00	90.00	.295	2	9.52	.322	-3.868	7.620	.276	8.000	7.620	
19	.46	3.00	0.00	.615	0	15.24	.799	3.868	7.620	.427	7.262	7.620	
20	.46	3.00	7.50	.499	0	15.24	.607	3.868	7.320	.280	7.262	7.620	
21	.46	1.00	15.00	.424	0	15.24	.541	-7.262	7.620	.189	7.262	7.620	
22	.46	3.00	30.00	.337	0	15.24	.508	-7.262	7.620	.123	7.262	7.620	
23	.46	3.00	45.00	.361	0	15.24	.685	-7.262	7.620	.164	7.262	7.620	
24	.46	3.00	60.00	.323	0	15.24	.675	-7.262	7.620	.187	7.262	7.620	
25	.46	3.00	75.00	.304	0	15.24	.585	-7.262	7.620	.21	8.000	7.620	
26	.46	3.00	82.50	.293	0	15.24	.515	-7.262	7.620	.208	8.000	7.620	
27	.46	3.00	90.00	.275	2	9.52	.433	-7.262	7.620	.182	8.000	7.620	
28	.71	3.00	0.00	.715	0	15.24	.899	3.868	7.620	.546	7.262	7.620	
29	.71	3.00	7.50	.554	0	15.24	.691	-7.262	7.620	.342	7.262	7.620	
30	.71	3.00	15.00	.477	0	15.24	.728	-7.262	7.620	.223	7.262	7.620	
31	.71	3.00	30.00	.371	0	15.24	.696	-7.262	7.620	.103	7.262	7.620	
32	.71	3.00	45.00	.390	0	15.24	.771	-7.262	7.620	.123	7.262	7.620	
33	.71	3.00	60.00	.334	0	15.24	.778	-7.262	7.620	.145	7.262	7.620	
34	.71	3.00	75.00	.297	0	15.24	.729	-7.262	7.620	.166	8.000	7.620	
35	.71	0.00	82.50	.285	0	15.24	.683	-7.262	7.620	.126	8.000	7.620	
36	.13	.25	0.00	.462	0	15.24	1.143	-7.262	7.620	.092	8.000	7.620	
37	.13	.25	7.50	.574	0	15.24	1.261	-7.262	7.620	.305	7.262	7.620	
38	.13	.25	15.00	.522	0	15.24	1.203	-7.262	7.620	.221	7.262	7.620	
39	.13	.25	30.00	.466	0	15.24	1.231	-7.262	7.620	.148	7.262	7.620	
40	.13	.25	45.00	.454	0	15.24	1.175	-7.262	7.620	.155	7.262	7.620	
41	.13	.25	60.00	.393	0	15.24	.926	-7.262	7.620	.140	7.262	7.620	
42	.13	.25	75.00	.335	0	15.24	.602	-7.262	7.620	.180	7.262	7.620	
43	.13	.25	82.50	.315	0	15.24	.463	-7.262	7.620	.243	7.262	7.620	
44	.13	.25	90.00	.313	0	15.24	.346	-7.262	7.620	.268	8.000	7.620	
45	.23	.25	0.00	.617	0	15.24	1.202	-7.262	7.620	.492	7.262	7.620	
46	.23	.25	7.50	.598	0	15.24	1.407	-7.262	7.620	.288	7.262	7.620	

CASE	AVERAGE GAP(CM)	MAX. STEP(CM)	AVG MIN. GP(DEG)	HEAT IN GAP ---- CFHT H/HREF(AVE)	ICONT	DIST(CM)	H/HREF(MAX)	XC(CM)	YC(CM)	H/HREF(MIN)	XMC(CM)	YMC(CM)	SIDE
47	.23	.25	15.00	.541	0	15.24	1.539	-7.262	7.620	.190	7.262	7.626	
48	.23	.25	30.00	.478	0	15.24	1.498	-7.262	7.620	.121	7.262	7.620	
49	.23	.25	45.00	.456	0	15.24	1.417	-7.262	7.620	.132	7.262	7.620	
50	.23	.25	60.00	.400	0	15.24	1.149	-7.262	7.620	.117	7.262	7.620	
51	.23	.25	75.00	.321	0	15.24	.743	-7.262	7.620	.160	7.262	7.620	
52	.23	.25	82.50	.301	0	15.24	.568	-7.262	7.620	.223	7.262	7.620	
53	.23	.25	90.00	.283	0	15.24	.382	-7.262	7.620	.223	0.000	7.620	
54	.46	.25	0.00	.698	0	15.24	1.162	-7.262	7.620	.563	-3.790	7.620	
55	.46	.25	7.50	.630	0	15.24	1.726	-7.262	7.620	.296	7.262	7.620	
56	.46	.25	15.00	.584	0	15.24	1.960	-7.262	7.620	.172	7.262	7.620	
57	.46	.25	30.00	.520	0	15.24	2.016	-7.262	7.620	.084	7.262	7.620	
58	.46	.25	45.00	.494	0	15.24	1.812	-7.262	7.620	.099	7.262	7.620	
59	.46	.25	60.00	.399	0	15.24	1.420	-7.262	7.620	.077	7.262	7.620	
60	.46	.25	75.00	.212	0	15.24	.880	-7.262	7.620	.123	7.262	7.620	
61	.46	.25	82.50	.240	0	15.24	.607	-7.262	7.620	.158	3.790	7.620	
62	.46	.25	90.00	.227	0	15.24	.377	7.262	7.620	.154	8.000	7.620	
63	.71	.25	0.00	.838	0	15.24	1.278	-7.262	7.620	.635	-3.790	7.620	
64	.71	.25	7.50	.690	0	15.24	1.888	-7.262	7.620	.292	7.262	7.620	
65	.71	.25	15.00	.614	0	15.24	2.195	-7.262	7.620	.142	7.262	7.620	
66	.71	.25	30.00	.575	0	15.24	2.247	-7.262	7.620	.068	7.262	7.620	
67	.71	.25	45.00	.572	0	15.24	2.200	-7.262	7.620	.064	7.262	7.620	
68	.71	.25	60.00	.464	0	15.24	1.729	-7.262	7.620	.041	7.262	7.620	
69	.71	.25	75.00	.323	0	15.24	1.128	-7.262	7.620	.074	3.798	7.620	
70	.71	.25	82.50	.252	0	15.24	.821	-7.262	7.620	.080	8.000	7.620	
71	.71	.25	90.00	.208	0	15.24	.513	-7.262	7.620	.086	8.000	7.620	
72	.23	-.17	0.00	.322	0	15.24	.378	3.868	7.620	.182	-7.262	7.620	
73	.23	-.17	15.00	.267	3	5.72	.326	-3.798	7.620	.161	-7.262	7.620	
74	.23	-.17	30.00	.261	3	5.72	.346	-3.798	7.620	.160	-7.262	7.620	
75	.23	-.17	45.00	.313	0	15.24	.460	-3.868	7.620	.246	-7.262	7.620	
76	.23	-.17	60.00	.338	0	15.24	.471	-3.868	7.620	.264	7.262	7.620	
77	.23	-.17	75.00	.347	0	15.24	.447	-3.868	7.620	.297	8.000	7.620	
78	.23	-.17	90.00	.346	0	15.24	.379	-7.262	7.620	.297	8.000	7.620	

4.0 NASA/LARC MACH 8 V.D.T. TESTS

4.1 MODEL DESCRIPTION

4.0 NASA/LaRC MACH 8 VARIABLE DENSITY TUNNEL TESTS

Gap heating data obtained in the LaRC Mach 8 Variable Density Tunnel (VDT) under the cognizance of C. B. Johnson spanned a wide range of Reynolds numbers and boundary layer thickness. A detailed description of the tests and graphical presentation of results may be found in Reference 2. The gap models used simulated thin skin tiles which were mounted in a curved plate and tested with thick and thin boundary layers. The boundary layer thickness was varied by testing the plate in the free stream and also testing it flush to the nozzle wall. In each model position, the test section unit Reynolds number was varied over the range of 1.1×10^6 to 40×10^6 per meter; both in line and staggered tile configurations were employed.

The Langley Research Center Mach 8 Variable Density Hypersonic Tunnel is an intermittant blowdown facility. The test section diameter is 46 cm; and the test core diameter is 10 to 36 cm, depending on pressure. The tunnel has an axially symmetric contoured nozzle. The test medium is air and is heated by electrical resistance heaters. The tunnel exhausts into either a vacuum tank or the atmosphere.

The tunnel is operated at a nominal Mach number of 8 over a range of Reynolds number of 0.72×10^6 to 40.0×10^6 per meter. The tunnel stagnation conditions vary from about 379.2 kN/m^2 and 678°K to 19.78 MN/m^2 and 772°K for lowest and highest unit Reynolds numbers, respectively. A Mach number calibration of the flow is given in NASA TN-D-2417, and a further description of the facility is given in NASA TM X-1130.

4.1 Model Descriptions and Instrumentation Locations - The thin skin models of the in-line and staggered tile configurations set in their curved mounting plate are illustrated in Figure 4.1-1. The location of the models for testing flush to the tunnel wall and for testing in the free stream are illustrated in Figure 4.1-2. The model was tested in both positions over a unit Reynolds number range of 1.1×10^6 to 40×10^6 per meter. With the model flush to the nozzle wall the boundary layer thickness over the tiles varies from approximately 10 cm to 5 cm for this Reynolds number range. By testing the model flush to the tunnel wall, heating rates to the gaps were obtained under a condition of a relatively thick turbulent boundary layer, with a maximum length Reynolds number of 136×10^6. The heat transfer tests were made with the model initially at room temperature. The model was injected into the tunnel test section from a vacuum chamber which has been evacuated to the test-section-stream static pressure. Approximately 0.05 second was required

TWO TEST POSITIONS:

(1) INJECTED FLUSH TO TEST SECTION NOZZLE WALL

(2) INJECTED INTO FREE STREAM

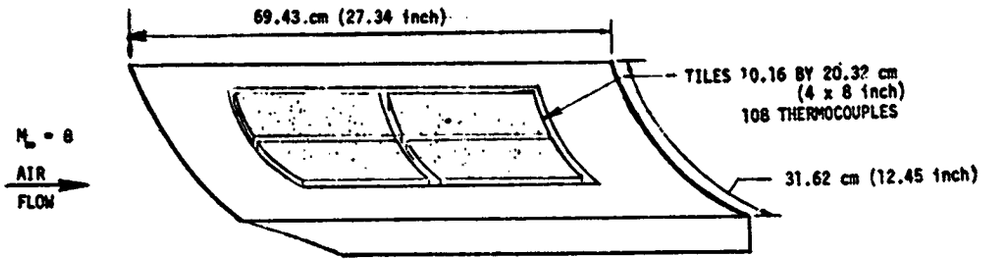


PLATE FOR IN-LINE TILES

TWO TEST POSITIONS:

(1) INJECTED FLUSH TO TEST SECTION NOZZLE WALL

(2) INJECTED INTO FREE STREAM

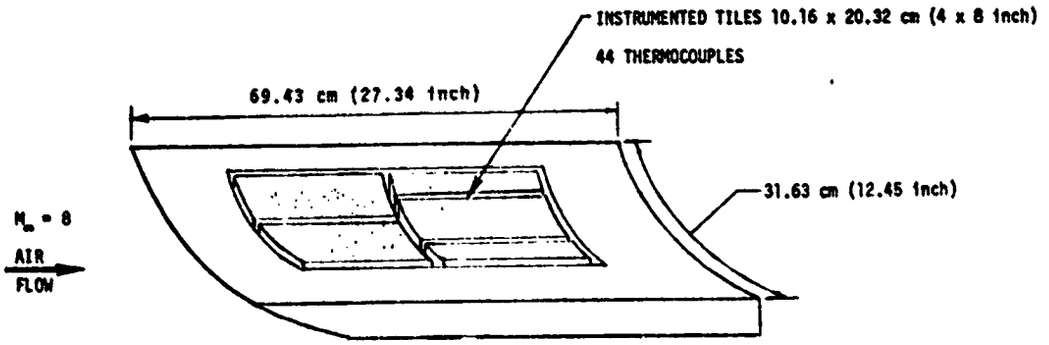
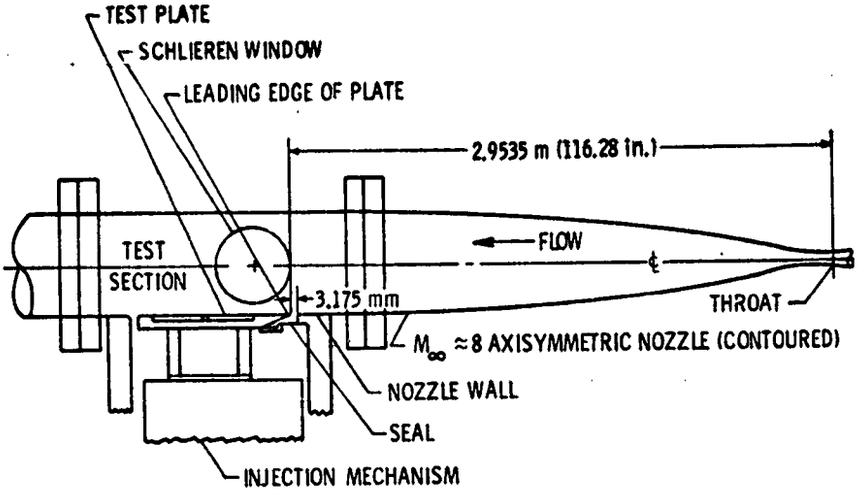
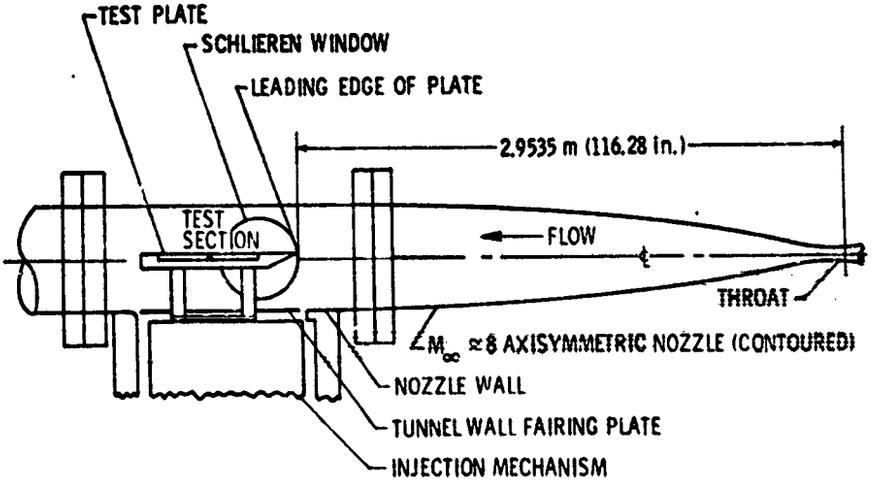


PLATE FOR STAGGERED TILES

Figure 4.1-1



SCHEMATIC OF TUNNEL WALL TESTS



SCHEMATIC OF FREE-STREAM TESTS

Figure 4.1-2

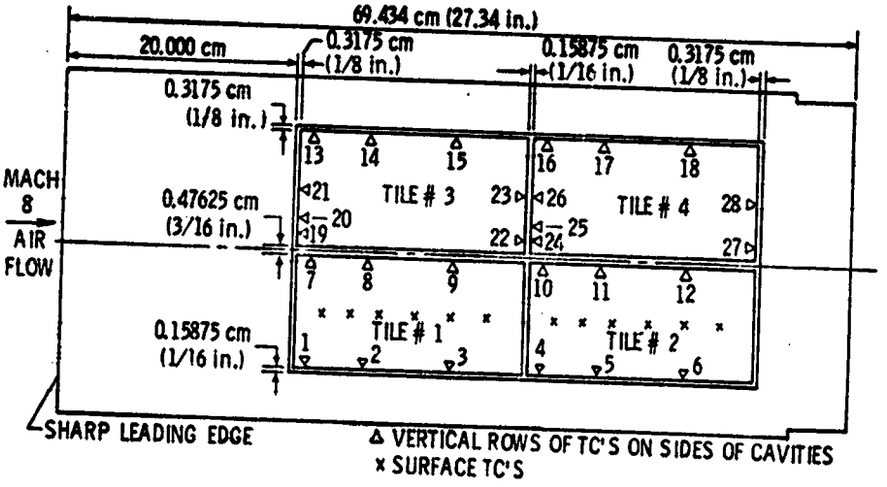
for the model to leave the chamber and enter the uniform test-flow region, and the heat transfer data records were started less than 1/2 second after the model was positioned in the test section.

The simulated tiles are instrumented with 36 gage (0.127 mm (.005 inch)) iron-constantam thermocouple wire. The small wire used on the thin skin (.4064 mm (.016 inch)) of the simulated tiles gives a rapid response to the heat input. Calculations were made to insure that wire conduction error was small for this skin thickness and wire size.

The tile orientation and the location of the vertical rows of thermocouples is shown in Figure 4.1-3 for the in-line tile orientation. The triangular markers numbered 1 through 28 as shown on the four tiles indicate where the vertical rows of thermocouples are located on the side walls of the cavities. This tile orientation was used to compare the heating on longitudinal gaps with three gap widths; (1) 0.15875 cm (1/16 inch), (2) 0.3175 cm (1/8 inch), and (3) 0.47625 cm (3/16 inch) and spanwise gaps with gap widths of 0.15875 cm (1/16 inch) and .3175 cm (1/8 inch). The three longitudinal gaps contain vertical rows numbered 1 through 18. The spanwise gaps, with forward and rearward facing walls contain the vertical rows numbered 21 through 28. Six surface thermocouples on both tiles 1 and 2 measure the heating to the surface of the simulated tiles.

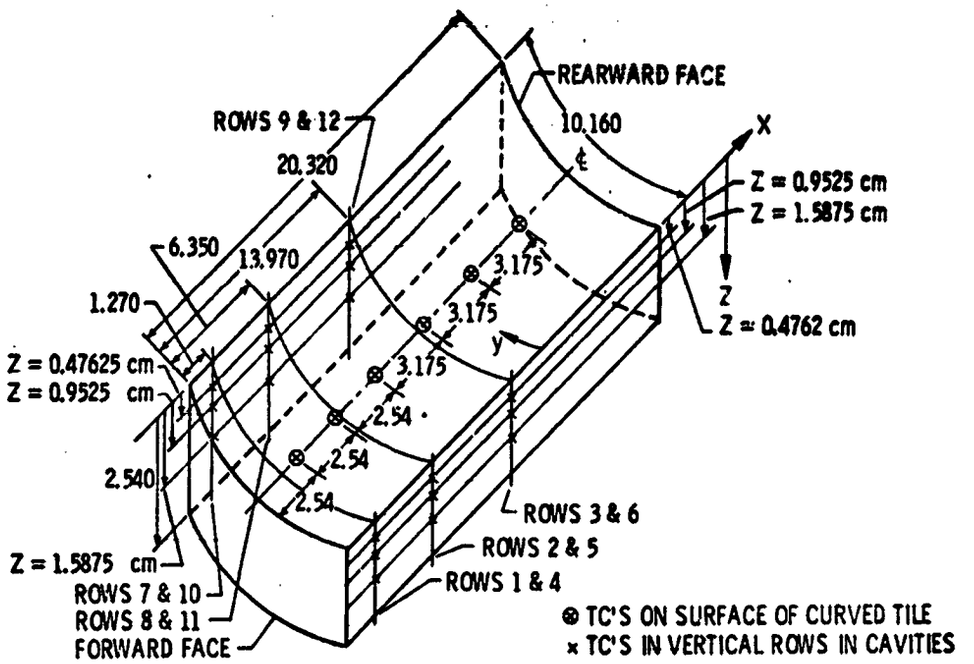
The location of the vertical rows of thermocouples and the surface thermocouples for tiles 1 and 2 and for tiles 3 and 4 with an in-line orientation are shown in Figure 4.1-4. The various vertical rows of thermocouples as well as the 12 surface thermocouples can be located in Figure 4.1-3. The longitudinal direction is indicated by the X coordinate and has its origin at the leading edge of the curved plate. The spanwise direction is indicated by the y coordinate with the origin on the centerline of the curved mounting plate. Looking downstream, y is positive to the right of the centerline and negative to the left. The distance from the surface of the tile down the wall of the cavity is indicated by the Z coordinate.

The orientation of the tiles for the staggered tile tests is shown in Figure 4.1-5. The triangular markers numbered 1 through 4 indicate where vertical rows of thermocouples are located on the forward face of tile number 4. The four vertical rows on tile 4 were the only thermocouple instrumentation in the cavities for the staggered tile tests; however, these were 6 surface thermocouples located on both tiles 1 and 4 which measured the surface heating to the tiles.

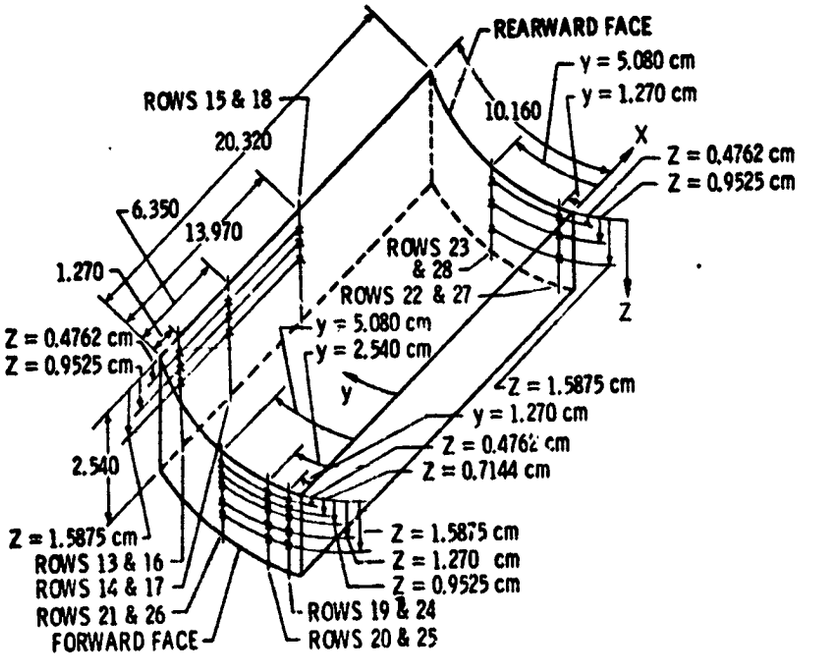


TILE AND THERMOCOUPLE ORIENTATION - IN-LINE TILES

Figure 4.1-3



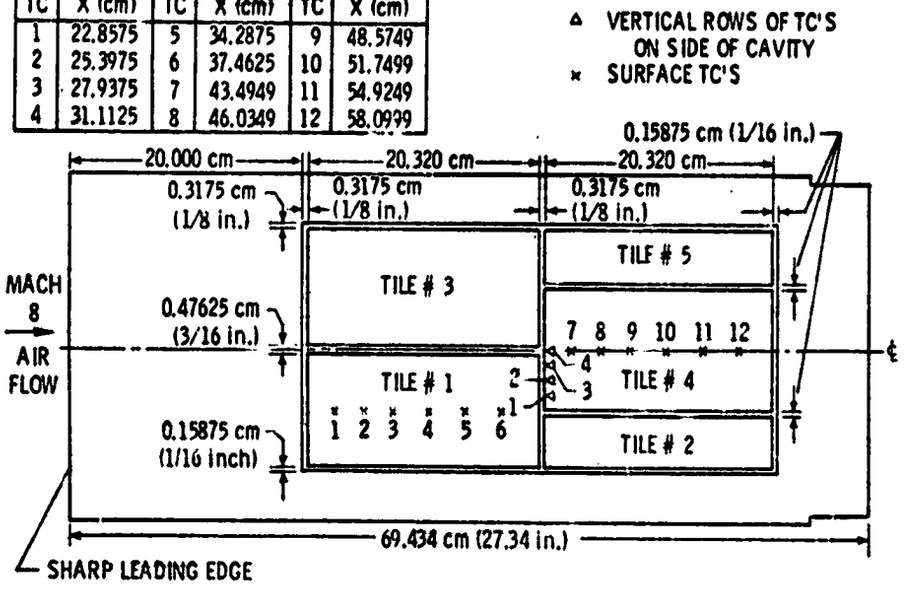
THERMOCOUPLE INSTALLATION FOR IN-LINE TILES - TILES 1 AND 2



THERMOCOUPLE INSTALLATION FOR IN-LINE TILES - TILES 3 AND 4

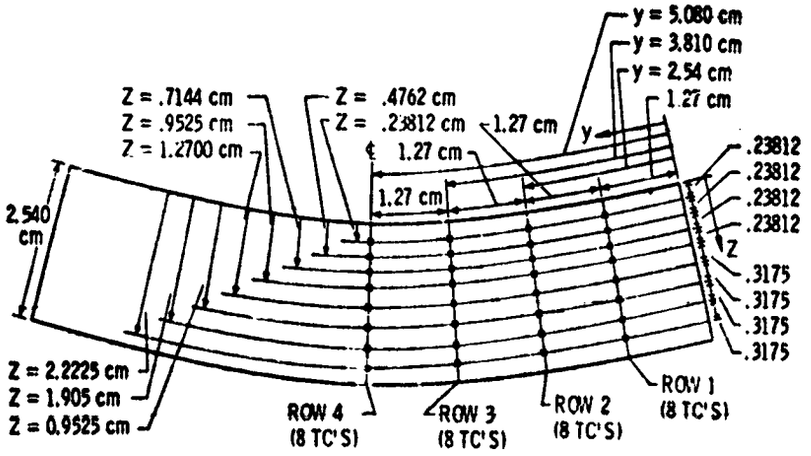
Figure 4.1-4

SURFACE TC'S (ON ℄ OF TILE)					
TC	X (cm)	TC	X (cm)	TC	X (cm)
1	22.8575	5	34.2875	9	48.5749
2	25.3975	6	37.4625	10	51.7499
3	27.9375	7	43.4949	11	54.9249
4	31.1125	8	46.0349	12	58.0999



TILE AND THERMOCOUPLE ORIENTATION - STAGGERED TILE

Figure 4.1-5



THERMOCOUPLE INSTALLATION FOR STAGGERED TILES - TILE 4

Figure 4.1-6

The location of the vertical rows of thermocouples for tile 4 in the staggered tile orientation is shown in Figure 4.1-6. The four vertical rows of thermocouples can also be located in Figure 4.1-5.

4.2 TERMINOLOGY IN
DATA LISTING

4.2 Explaination of Terminology Used in Data Listing - Results from the Mach 8 V.D.T. tests listed in Section 4.4 are organized by run number, model position and contain information about test conditions, model configuration, thermocouple location and heat transfer parameters. Tests were run using a model with parallel (in-line) tiles and a model with staggered tiles. These models were positioned flush with the tunnel wall as well as on the tunnel centerline. When the model was positioned flush with the tunnel wall, the "HT" heat transfer coefficient based on a turbulent boundary layer is appropriate. When the model was in the freestream position, the appropriate heat transfer coefficient is "HL" which is based on a laminar boundary layer.

The terminology used in the data listing is as follows:

TSTAG = Freestream stagnation temperature

PSTAG = Freestream stagnation pressure

Q CODE = Code used to determine heating

DEG OF FIT = Degree of curve used to fit temperature response

RE/METER = Unit Reynolds number

MACH = Mach number

XNSTREF = Stanton number times square root of Reynolds number based distance

TAW = Adiabatic wall temperature

Coordinate system used to identify instrumentation location is illustrated in Figure 4.2-1.

X = Distance in the flow direction

Y = Distance normal to "X"

Z = Distance from top of tile (X,Y,Z form right hand coordinate system)

Q = Convective heating rate

HL = Convective heat transfer coefficient based on $T_{AW}/T_T = \sqrt{P_r}$

HT = Convective heat transfer coefficient based on $T_{AW}/T_T = (Pr)^{.333}$

HL/HR = Heat transfer coefficient (HL) ratioed to a theoretical flat plate value

HT/HR = Heat transfer coefficient (HT) ratioed to a theoretical flat plate value

HL/H1 = Heat transfer coefficient (HL) ratioed to that (H1) measured at the most forward location on top of model

HT/H1 = Heat transfer coefficient (HT) ratioed to that (H1) measured at the most forward location on top of panel

COORDINATE SYSTEM USED FOR MACH 8 V.D.T. TESTS

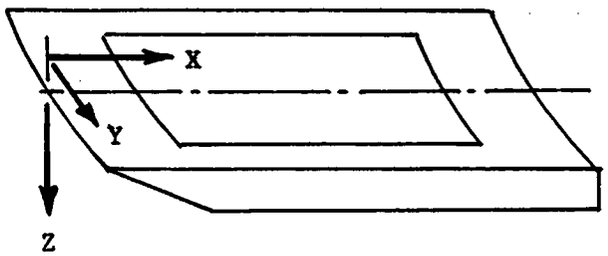


Figure 4.2-1

H1 = Convective heat transfer coefficient measured at the most forward location on top of model. When the model is flush with tunnel wall, H1 is based on $T_{AW}/T_T = (P_r)^{.333}$. When the model is in the freestream position, H1 is based on $T_{AW}/T_T = \sqrt{P_r}$.

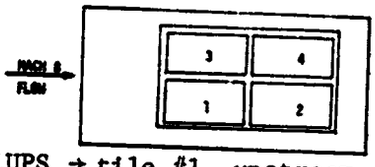
STL = Stanton number for $T_{AW}/T_T = \sqrt{P_r}$

STT = Stanton number for $T_{AW}/T_T = (P_r)^{.333}$

STREL = STL*$\sqrt{Re}$

TILE = Designation of tile where instrumentation is located

IN-LINE



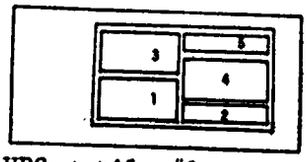
1UPS → tile #1, upstream portion of model

2DWN → tile #2, downstream portion of model

3UPS → tile #3, upstream portion of model

4DWN → tile #4, downstream portion of model

STAGGERED



1UPS → tile #1, upstream portion of model

4DWN → tile #4, downstream portion of model

GAP = XXXXYY

Gap width (10^{-4} inch)

Location of instrumentation

- PE = Paralled gap at edge of model
- PC = Parallel gap at center of model
- TD = Transverse gap, downstream side of gap
- TU = Transverse gap, upstream side of gap
- ST = Stagnation point

TITETOP → instrumentation located top of tile

HL/HTOP = Heating in gap ratioed to local value on top of tile for $T_{AW}/T_T = \sqrt{P_r}$

HT/HTOP = Heating in gap ratioed to local value on top of tile for $T_{AW}/T_T = (P_r)^{.333}$

4.3 TEST DATA LISTING

4.3 Mach 8 V.D.T. Test Data Listing

MACH 8 V.D. TEST(622), C.D.JOHNSON RSI TILE GAPS, RUN# 11 1972 PAGE 1

TSTAG(R) = 6.797ZE+02
PSTAG(N/M2) = 3.993E+05
Q CODE = 1
DEG OF FIT = 3
RE/METER = 1.1-01E+06
MACH = 7.588
RNSTREF = .415
TAW/TT =SQRT(PR) FOR NL,MR
TAW/TT =(R)(.333) FOR MT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-19 = 1.963E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	NL (W/M2-K)	MT (W/M2-K)	NL/MR	MT/MR	NL/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	21.600	10.254	.476	1.58E+02	6.29ZE-01	4.767E-01	.1596	.1430	.2496	.2429	1.29E-04	1.16E-04	6.07E-02	1UPS	1507PE	.2452
2	21.600	10.254	.953	4.03E+01	1.43ZE-01	1.291E-01	.0432	.0390	.0758	.0658	3.50E-05	3.11E-05	1.75E-02	1UPS	1507PE	.0664
3	21.600	10.254	1.507	3.60E+01	1.27ZE-02	1.149E-02	.0038	.0035	.0065	.0059	3.12E-06	2.81E-06	1.56E-03	1UPS	1507PE	.0059
4	20.700	10.254	.476	1.71E+02	6.056E-01	5.459E-01	.2033	.1831	.3007	.2701	1.40E-04	1.33E-04	8.23E-02	1UPS	1507PE	.2678
5	20.700	10.254	.953	8.14E+01	2.867E-01	2.583E-01	.0962	.0866	.1460	.1316	7.01E-05	6.31E-05	3.90E-02	1UPS	1507PE	.1267
6	20.700	10.254	1.507	4.24E+01	1.185E-02	1.068E-02	.0044	.0040	.0082	.0074	3.92E-06	3.53E-06	2.18E-03	1UPS	1507PE	.0071
7	34.388	10.254	.476	1.52E+02	5.339E-01	4.805E-01	.2660	.1045	.2745	.2473	1.32E-04	1.19E-04	6.38E-02	1UPS	1507PE	.2255
8	34.388	10.254	.953	3.30E+01	1.65ZE-01	9.577E-02	.0404	.0364	.0142	.0408	2.68E-05	2.34E-05	1.04E-02	1UPS	1507PE	.0045
9	34.388	10.254	1.507	1.08E+01	2.159E-02	1.937E-02	.0082	.0074	.0110	.0099	5.25E-06	4.73E-06	3.31E-03	1UPS	1507PE	.0090
10	21.600	.238	.476	1.26E+02	4.20ZE-01	3.025E-01	.1201	.1154	.2163	.1949	1.04E-04	9.35E-05	5.19E-02	1UPS	4762PC	.1368
11	21.600	.238	.953	4.32E+01	1.529E-01	1.377E-01	.0461	.0416	.0779	.0702	3.74E-05	3.37E-05	1.07E-02	1UPS	4762PC	.0788
12	21.600	1.507	1.507	3.60E+01	1.260E-01	1.142E-01	.0383	.0345	.0646	.0582	3.10E-05	2.79E-05	1.55E-02	1UPS	4762PC	.0654
13	20.700	.238	.476	1.65E+02	5.465E-01	4.92ZE-01	.1836	.1654	.2784	.2509	1.33E-04	1.20E-04	7.63E-02	1UPS	4762PC	.2416
14	20.700	.238	.953	8.22E+01	2.719E-01	1.930E-01	.0738	.0665	.1126	.1009	5.37E-05	4.84E-05	2.99E-02	1UPS	4762PC	.0972
15	20.700	.238	1.507	4.16E+01	1.449E-01	1.305E-01	.0486	.0438	.0738	.0665	3.53E-05	3.19E-05	1.97E-02	1UPS	4762PC	.0648
16	34.388	.238	.476	1.71E+02	6.049E-01	5.442E-01	.2299	.2071	.3077	.2772	1.48E-04	1.33E-04	9.30E-02	1UPS	4762PC	.2928
17	34.388	.238	.953	1.71E+02	6.4.0E-01	5.442E-01	.2299	.2071	.3077	.2772	1.48E-04	1.33E-04	9.30E-02	1UPS	4762PC	.2928
18	34.388	.238	1.507	2.07E-01	9.429E-04	0.496E-04	.0004	.0003	.0005	.0004	2.38E-07	2.00E-07	1.65E-04	1UPS	4762PC	.0004
19	22.988	5.318	0.000	6.16E+02	2.179E+00	1.963E+00	.6773	.6102	1.1101	1.0001	5.33E-04	4.80E-04	2.74E-01	1UPS	TILTOP	
20	25.485	5.318	0.000	5.29E+02	2.022E+00	2.032E+00	.7279	.6559	1.1321	1.0200	5.43E-04	4.89E-04	2.95E-01	1UPS	TILTOP	
21	27.988	5.318	0.000	6.31E+02	2.330E+00	2.073E+00	.7898	.7116	1.1718	1.0558	5.62E-04	5.11E-04	3.19E-01	1UPS	TILTOP	
22	31.188	5.318	0.000	6.67E+02	2.357E+00	2.124E+00	.8541	.7696	1.2006	1.0818	5.76E-04	5.19E-04	3.46E-01	1UPS	TILTOP	
23	34.388	5.318	0.000	6.76E+02	2.390E+00	2.153E+00	.9085	.8184	1.2173	1.0966	5.84E-04	5.2ZE-04	3.60E-01	1UPS	TILTOP	
24	37.588	5.318	0.000	6.82E+02	2.413E+00	2.174E+00	.9530	.8637	1.2295	1.1075	5.90E-04	5.31E-04	3.89E-01	1UPS	TILTOP	
25	42.188	13.254	.476	1.10E+02	4.9.2E-01	4.452E-01	.2079	.1673	.2510	.2260	1.21E-04	1.09E-04	8.43E-02	2DWN	1507PE	.2838
26	42.188	13.254	.953	3.73E+01	1.319E-01	1.188E-01	.0555	.0500	.0472	.0605	3.22E-05	2.90E-05	2.25E-02	2DWN	1507PE	.0854
27	42.188	10.254	1.507													
28	47.188	10.254	.476	1.32E+02	4.658E-01	4.195E-01	.2873	.1867	.2373	.2137	1.14E-04	1.03E-04	8.41E-02	2DWN	1507PE	.1953
29	47.188	10.254	.953	2.06E+01	7.232E-02	6.559E-02	.0324	.0292	.0371	.0334	1.78E-05	1.61F-05	1.31E-02	2DWN	1507PE	.0305
30	47.188	10.254	1.507	1.34E+00	4.730E-03	4.268E-03	.0021	.0019	.0024	.0022	1.16E-06	1.04E-06	8.54E-04	2DWN	1507PE	.0020
31	54.088	10.254	.476	1.44E+02	5.092E-01	4.587E-01	.2446	.2204	.2594	.2337	1.24E-04	1.12E-04	9.91E-02	2DWN	1507PE	.2067
32	54.088	10.254	.953	3.10E+01	1.282E-01	1.083E-01	.0570	.0520	.0612	.0552	2.94E-05	2.65E-05	2.34E-02	2DWP	1507PE	.0488
33	54.088	10.254	1.507	1.17E+01	4.135E-02	3.72E-02	.0199	.0179	.0211	.0190	1.01E-05	9.10E-06	8.05E-03	2DWN	1507PE	.0168
34	42.188	.238	.476	1.25E+02	4.436E-01	3.990E-01	.1440	.1603	.2280	.2036	1.08E-04	9.76E-05	7.57E-02	2DWN	4762PC	.1839
35	42.188	.238	.953	4.09E+01	1.728E-01	1.556E-01	.0728	.0656	.0880	.0793	4.22E-05	3.80E-05	2.95E-02	2DWN	4762PC	.0713
36	42.188	.238	1.507	2.05E+01	9.379E-02	8.448E-02	.0395	.0358	.0478	.0438	2.29E-05	2.06E-05	1.60E-02	2DWN	4762PC	.0387
37	47.188	.238	.476	1.32E+02	5.393E-01	4.858E-01	.2483	.2164	.2747	.2479	1.32E-04	1.19E-04	9.73E-02	2DWN	4762PC	.2262
38	47.188	.238	.953	5.37E+01	1.997E-01	1.799E-01	.0846	.0762	.0967	.0871	4.64E-05	4.18E-05	3.42E-02	2DWN	4762PC	.0796

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(1) 1972 PAGE 2

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
39	47.100	.238	1.587	3.90E+01	1.381E-01	1.244E-01	.0615	.0554	.0703	.0634	3.37E-05	3.04E-05	2.49E-02	2DWN	4762PC	.0579
40	54.800	.238	.476	1.59E+02	5.622E-01	5.065E-01	.2703	.2435	.2864	.2580	1.37E-04	1.24E-04	1.09E-01	2DWN	4762PC	.2283
41	54.800	.238	.953	3.59E+01	1.269E-01	1.144E-01	.0610	.0550	.0647	.0583	3.10E-05	2.79E-05	2.47E-02	2DWN	4762PC	.0515
42	54.800	.238	1.587	1.72E+01	6.088E-02	5.485E-02	.0293	.0264	.0310	.0279	1.49E-05	1.34E-05	1.19E-02	2DWN	4762PC	.0247
43	43.300	5.318	0.000	6.65E+02	2.428E+00	2.187E+00	1.0356	.9327	1.2367	1.1139	5.93E-04	5.34E-04	4.20E-01	2DWN	TILTOP	
44	45.900	5.318	0.000	6.71E+02	2.377E+00	2.141E+00	1.0446	.9409	1.2189	1.0907	5.61E-04	5.23E-04	4.23E-01	2DWN	TILTOP	
45	48.400	5.318	0.000	6.76E+02	2.392E+00	2.155E+00	1.0600	.9729	1.2186	1.0978	5.89E-04	5.27E-04	4.39E-01	2DWN	TILTOP	
46	51.600	5.318	0.000	6.79E+02	2.400E+00	2.163E+00	1.1199	1.0090	1.2228	1.1017	5.87E-04	5.28E-04	4.53E-01	2DWN	TILTOP	
47	54.800	5.318	0.000	6.98E+02	2.465E+00	2.221E+00	1.1857	1.0683	1.2555	1.1312	6.02E-04	5.43E-04	4.80E-01	2DWN	TILTOP	
48	57.900	5.318	0.000	6.50E+02	2.299E+00	2.071E+00	1.1357	1.0232	1.1710	1.0550	5.62E-04	5.06E-04	4.60E-01	2DWN	TILTOP	
49	20.300	-1.508	.476	2.02E+02	7.145E-01	6.437E-01	.2090	.1883	.3640	.3279	1.75E-04	1.57E-04	8.47E-02	3UPS	3175TD	.3346
50	20.300	-1.508	.714	1.06E+02	3.736E-01	3.366E-01	.1093	.0984	.1903	.1714	9.13E-05	8.22E-05	4.43E-02	3UPS	3175TD	.1749
51	20.300	-1.508	.953	5.36E+01	1.896E-01	1.708E-01	.0555	.0500	.0966	.0870	4.63E-05	4.17E-05	2.25E-02	3UPS	3175TD	.0888
52	20.300	-1.508	1.270	2.66E+01	1.010E-01	9.103E-02	.0296	.0266	.0515	.0464	2.47E-05	2.22E-05	1.20E-02	3UPS	3175TD	.0473
53	20.300	-1.508	1.587	6.81E+00	2.409E-02	2.170E-02	.0070	.0063	.0123	.0111	5.89E-06	5.30E-06	2.85E-03	3UPS	3175TD	.0113
54	20.300	-2.778	.476	1.41E+02	4.985E-01	4.491E-01	.1458	.1314	.2540	.2288	1.22E-04	1.10E-04	5.91E-02	3UPS	3175TD	.2334
55	20.300	-2.778	.714	7.62E+01	2.696E-01	2.429E-01	.0789	.0710	.1374	.1237	6.59E-05	5.94E-05	3.19E-02	3UPS	3175TD	.1263
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	2.25E+01	7.961E-02	7.171E-02	.0233	.0210	.0406	.0365	1.95E-05	1.75E-05	9.43E-03	3UPS	3175TD	.0373
58	20.300	-2.778	1.587	2.46E+01	8.717E-02	7.853E-02	.0255	.0230	.0444	.0400	2.13E-05	1.92E-05	1.03E-02	3UPS	3175TD	.0408
59	20.300	-5.318	.476	1.30E+02	4.586E-01	4.131E-01	.1341	.1208	.2336	.2104	1.12E-04	1.01E-04	5.43E-02	3UPS	3175TD	.2147
60	20.300	-5.318	.714	7.65E+01	2.707E-01	2.439E-01	.0792	.0713	.1379	.1242	6.62E-05	5.96E-05	3.21E-02	3UPS	3175TD	.1267
61	20.300	-5.318	.953	1.76E+01	6.212E-02	5.596E-02	.0182	.0164	.0316	.0285	1.52E-05	1.37E-05	7.36E-03	3UPS	3175TD	.0291
62	20.300	-5.318	1.270	2.28E+01	8.078E-02	7.277E-02	.0236	.0213	.0412	.0371	1.97E-05	1.78E-05	9.57E-03	3UPS	3175TD	.0378
63	20.300	-5.318	1.587	2.20E+01	7.774E-02	7.003E-02	.0227	.0205	.0396	.0357	1.90E-05	1.71E-05	9.21E-03	3UPS	3175TD	.0364
64	21.600	-10.254	.476	1.75E+02	6.183E-01	5.569E-01	.1864	.1679	.3250	.2837	1.51E-04	1.36E-04	7.56E-02	3UPS	3175PE	.2865
65	21.600	-10.254	.953	3.83E+01	1.357E-01	1.222E-01	.0409	.0368	.0691	.0623	3.32E-05	2.99E-05	1.66E-02	3UPS	3175PE	.0629
66	21.600	-10.254	1.587	2.70E+01	9.559E-02	8.608E-02	.0288	.0259	.0487	.0438	2.33E-05	2.10E-05	1.17E-02	3UPS	3175PE	.0443
67	26.700	-10.254	.476	1.61E+02	5.693E-01	5.119E-01	.1905	.1716	.2895	.2608	1.39E-04	1.25E-04	7.72E-02	3UPS	3175PE	.2912
68	26.700	-10.254	.953	4.49E+01	1.590E-01	1.433E-01	.0533	.0480	.0810	.0730	3.89E-05	3.50E-05	2.16E-02	3UPS	3175PE	.0703
69	26.700	-10.254	1.587	2.37E+01	8.390E-02	7.557E-02	.0281	.0253	.0427	.0385	2.05E-05	1.85E-05	1.14E-02	3UPS	3175PE	.0371
70	34.300	-10.254	.476	1.73E+02	6.140E-01	5.530E-01	.2331	.2100	.3125	.2817	1.50E-04	1.35E-04	9.46E-02	3UPS	3175PE	.2569
71	34.300	-10.254	.953	6.68E+01	2.151E-01	1.937E-01	.0817	.0736	.1096	.0987	5.26E-05	4.73E-05	3.31E-02	3UPS	3175PE	.0900
72	34.300	-10.254	1.587	4.07E+01	1.440E-01	1.297E-01	.0547	.0493	.0733	.0661	3.52E-05	3.17E-05	2.22E-02	3UPS	3175PE	.0602
73	40.600	-1.508	.476	1.13E+02	4.009E-01	3.611E-01	.1658	.1493	.2042	.1840	9.80E-05	8.82E-05	6.72E-02	3UPS	1587TU	.1656
74	40.600	-1.508	.953	2.39E+01	8.449E-02	7.612E-02	.0350	.0315	.0430	.0388	2.06E-05	1.86E-05	1.42E-02	3UPS	1587TU	.0349
75	40.600	-1.508	1.587	1.19E+01	4.202E-02	3.786E-02	.0174	.0157	.0214	.0193	1.03E-05	9.25E-06	7.04E-03	3UPS	1587TU	.0174
76	40.600	-5.318	.476	1.18E+02	4.177E-01	3.763E-01	.1727	.1556	.2128	.1917	1.02E-04	9.19E-05	7.00E-02	3UPS	1587TU	.1725
77	40.600	-5.318	.953	2.69E+01	9.487E-02	8.547E-02	.0393	.0354	.0483	.0435	2.32E-05	2.09E-05	1.59E-02	3UPS	1587TU	.0392
78	40.600	-5.318	1.587	8.21E+00	2.905E-02	2.617E-02	.0120	.0108	.0148	.0133	7.10E-06	6.39E-06	4.87E-03	3UPS	1587TU	.0120
79	40.800	-1.508	.476	1.19E+02	4.219E-01	3.801E-01	.1750	.1576	.2149	.1936	1.03E-04	9.29E-05	7.09E-02	4DWN	1587TD	.1743
80	40.800	-1.508	.714	7.28E+01	2.576E-01	2.321E-01	.1068	.0962	.1312	.1182	6.30E-05	5.67E-05	4.33E-02	4DWN	1587TD	.1064
81	40.800	-1.508	.953	2.11E+01	7.458E-02	6.719E-02	.0309	.0279	.0380	.0342	1.82E-05	1.64E-05	1.25E-02	4DWN	1587TD	.0308
82	40.800	-1.508	1.270	1.33E+01	4.696E-02	4.231E-02	.0195	.0175	.0239	.0216	1.15E-05	1.03E-05	7.89E-03	4DWN	1587TD	.0194
83	40.800	-1.508	1.587	6.61E+00	2.338E-02	2.106E-02	.0097	.0087	.0119	.0107	5.71E-06	5.15E-06	3.93E-03	4DWN	1587TD	.0097
84	40.800	-2.778	.476	9.85E+01	3.482E-01	3.137E-01	.1444	.1301	.1774	.1598	8.51E-05	7.67E-05	5.85E-02	4DWN	1587TD	.1438

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

M.CM 8 V.D. TEST(622), C.9.JOHNSON RSI TILE GAPS, RUN(1) 1972 PAGE 3

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
85	40.800	-2.778	.714	4.71E+01	1.666E-01	1.501E-01	.0691	.0623	.0349	.0765	4.07E-05	3.67E-05	2.80E-02	4DWN	1587TD	.0688
86	40.800	-2.778	.953	1.56E+01	5.499E-02	4.954E-02	.0228	.0205	.0280	.0252	1.34E-05	1.21E-05	9.24E-03	4DWN	1587TD	.0227
87	40.800	-2.778	1.270	1.93E+01	6.469E-02	5.828E-02	.0268	.0242	.0330	.0297	1.58E-05	1.42E-05	1.09E-02	4DWN	1587TD	.0267
88	40.930	-2.778	1.587	9.08E+00	3.210E-02	2.892E-02	.0133	.0120	.0164	.0147	7.84E-06	7.07E-06	5.39E-03	4DWN	1587TD	.0133
89	40.800	-5.318	.476	6.40E+01	2.265E-01	2.040E-01	.0939	.0846	.1154	.1039	5.54E-05	4.99E-05	3.80E-02	4DWN	1587TD	.0935
90	40.800	-5.318	.714	3.71E+01	1.313E-01	1.183E-01	.0544	.0490	.0669	.0602	3.21E-05	2.89E-05	2.20E-02	4DWN	1587TD	.0542
91	40.800	-5.318	.953	2.60E+00	8.600E-03	7.800E-03	.0037	.0033	.0044	.0040	2.27E-06	2.05E-06	1.50E-03	4DWN	1587TD	.0036
92	40.800	-5.318	1.270	2.07E+00	6.800E-03	6.200E-03	.0029	.0027	.0035	.0032	1.80E-06	1.63E-06	1.20E-03	4DWN	1587TD	.0028
93	40.800	-5.318	1.587	2.73E+00	9.000E-03	8.100E-03	.0039	.0035	.0046	.0041	2.38E-06	2.16E-06	1.59E-03	4DWN	1587TD	.0037
94	42.100-10.254		.476	1.31E+02	5.976E-01	5.408E-01	.2618	.2368	.3044	.2753	1.58E-04	1.43E-04	1.04E-01	4DWN	3175PE	.2475
96	42.100-10.254		1.587	3.26E+00	1.080E-02	9.700E-03	.0047	.0043	.0055	.0049	2.85E-06	2.58E-06	1.90E-03	4DWN	3175PE	.0044
97	47.100-10.254		.476	1.61E+02	5.285E-01	4.782E-01	.2453	.2220	.2692	.2436	1.40E-04	1.27E-04	9.73E-02	4DWN	3175PE	.2226
98	47.100-10.254		.953	3.67E+01	1.208E-01	1.093E-01	.0560	.0507	.0615	.0557	3.20E-05	2.89E-05	2.22E-02	4DWN	3175PE	.0509
99	47.100-10.254		1.587	7.26E+00	2.390E-02	2.160E-02	.0111	.0100	.0122	.0110	6.33E-06	5.73E-06	4.40E-03	4DWN	3175PE	.0101
100	54.800-10.254		.476	1.34E+02	4.412E-01	3.992E-01	.2211	.2001	.2248	.2034	1.17E-04	1.06E-04	8.76E-02	4DWN	3175PE	.1799
102	54.800-10.254		1.587	2.60E+00	9.200E-03	8.300E-03	.0046	.0042	.0047	.0042	2.44E-06	2.20E-06	1.80E-03	4DWN	3175PE	.0037
103	61.100	-1.508	.476	1.33E+02	4.380E-01	3.963E-01	.2314	.2094	.2231	.2019	1.16E-04	1.05E-04	9.19E-02	4DWN	3175TU	.2062
104	61.100	-1.508	.953	4.98E+01	1.614E-01	1.460E-01	.0853	.0771	.0822	.0744	4.28E-05	3.87E-05	3.39E-02	4DWN	3175TU	.0760
105	61.100	-1.508	1.587	6.93E+00	2.280E-02	2.078E-02	.0121	.0109	.0116	.0105	6.05E-06	5.47E-06	4.80E-03	4DWN	3175TU	.0108
106	61.100	-5.318	.476	1.64E+02	5.398E-01	4.893E-01	.2852	.2588	.2750	.2488	1.43E-04	1.29E-04	1.13E-01	4DWN	3175TU	.2541
107	61.100	-5.318	.953	2.76E+01	9.080E-02	8.220E-02	.0480	.0434	.0463	.0419	2.41E-05	2.18E-05	1.91E-02	4DWN	3175TU	.0428
108	61.100	-5.318	1.587	4.66E+00	1.540E-02	1.390E-02	.0081	.0073	.0078	.0071	4.07E-06	3.68E-06	3.20E-03	4DWN	3175TU	.0072

REFERANCE HEATING CURVE FOR RUN 2

H-REF W/M2-K	3.13E+00	3.23E+00	3.21E+00	3.27E+00	3.29E+00	3.27E+00	3.18E+00	3.13E+00	3.19E+00	3.27E+00	3.32E+00
H-REF W/M2-K	3.29E+00										
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01
AT X(CM)	5.79E+01										

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

TSTAG(K) = 6.9394E+02
PSTAG(N/M2)= 7.9083E+05
Q CODE = 1
DEG OF FIT = 1
RE/METER = 2.1785E+06
MACH = 7.700
XNOSTRFF = .406
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-19 = 3.1290E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	21.600	10.254	.476	2.36E+02	7.989E-01	7.211E-01	.1771	.1598	.2553	.2304	1.05E-04	9.45E-05	7.19E-02	1UPS	1587PE	.2331
2	21.600	10.254	.953	3.50E+01	1.189E-01	1.073E-01	.0263	.0238	.0380	.0343	1.56E-05	1.41E-05	1.07E-02	1UPS	1587PE	.0347
3	21.600	10.254	1.587	2.34E+00	1.012E-02	1.635E-02	.0040	.0036	.0058	.0052	2.38E-06	2.14E-06	1.63E-03	1UPS	1587PE	.0053
4	26.700	10.254	.476	1.94E+02	6.566E-01	5.927E-01	.1618	.1461	.2099	.1894	8.61E-05	7.77E-05	6.57E-02	1UPS	1587PE	.1858
5	26.700	10.254	.953	1.23E+01	4.166E-02	3.760E-02	.0103	.0093	.0133	.0120	5.46E-06	4.93E-06	4.17E-03	1UPS	1587PE	.0117
6	26.700	10.254	1.587	1.09E+01	3.713E-02	3.351E-02	.0091	.0083	.0119	.0107	4.87E-06	4.39E-06	3.71E-03	1UPS	1587PE	.0105
7	34.300	10.254	.476	1.65E+02	5.604E-01	5.057E-01	.1564	.1411	.1791	.1616	7.35E-05	6.63E-05	6.35E-02	1UPS	1587PE	.1539
8	34.300	10.254	.953	2.97E+01	1.009E-01	9.102E-02	.0281	.0254	.0322	.0291	1.32E-05	1.19E-05	1.14E-02	1UPS	1587PE	.0277
9	34.300	10.254	1.587	1.44E+01	4.873E-02	4.398E-02	.0136	.0123	.0156	.0141	6.39E-06	5.77E-06	5.52E-03	1UPS	1587PE	.0134
10	21.600	.238	.476	1.21E+02	4.084E-01	3.686E-01	.0906	.0818	.1305	.1178	5.35E-05	4.83E-05	3.67E-02	1UPS	4762PC	.1191
11	21.600	.238	.953	1.70E+01	5.767E-02	5.205E-02	.0128	.0115	.0184	.0166	7.56E-06	6.82E-06	5.19E-03	1UPS	4762PC	.0168
12	21.600	.238	1.587	5.97E+00	2.031E-02	2.134E-02	.0052	.0047	.0075	.0067	3.06E-06	2.76E-06	2.13E-03	1UPS	4762PC	.0068
13	26.700	.238	.476	1.61E+02	5.439E-01	4.910E-01	.1343	.1213	.1738	.1569	7.13E-05	6.44E-05	5.44E-02	1UPS	4762PC	.1538
14	26.700	.238	.953	5.16E+01	1.747E-01	1.577E-01	.0431	.0389	.0558	.0504	2.29E-05	2.07E-05	1.75E-02	1UPS	4762PC	.0492
15	26.700	.238	1.587	2.43E+01	8.231E-02	7.438E-02	.0203	.0183	.0263	.0237	1.08E-05	9.74E-06	8.23E-03	1UPS	4762PC	.0232
16	34.300	.238	.476	1.58E+02	5.338E-01	4.819E-01	.1493	.1348	.1706	.1540	7.00E-05	6.32E-05	6.05E-02	1UPS	4762PC	.1466
17	34.300	.238	.953	1.58E+02	5.338E-01	4.819E-01	.1493	.1348	.1706	.1540	7.00E-05	6.32E-05	6.05E-02	1UPS	4762PC	.1466
18	34.300	.238	1.587	5.27E+00	1.786E-02	1.612E-02	.0050	.0045	.0057	.0052	2.34E-06	2.11E-06	2.03E-03	1UPS	4762PC	.0049
19	22.900	5.318	0.000	1.02E+03	3.466E+00	3.129E+00	.7924	.7154	1.1077	1.0000	4.54E-04	4.10E-04	3.21E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	1.05E+03	3.544E+00	3.200E+00	.8540	.7710	1.1927	1.0227	4.65E-04	4.20E-04	3.46E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	1.05E+03	3.552E+00	3.207E+00	.8969	.8098	1.1351	1.0248	4.66E-04	4.20E-04	3.63E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	1.07E+03	3.621E+00	3.259E+00	.9650	.9712	1.1571	1.0447	4.75E-04	4.29E-04	3.91E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	1.07E+03	3.641E+00	3.286E+00	1.0173	.9182	1.1636	1.0502	4.77E-04	4.31E-04	4.13E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	1.07E+03	3.626E+00	3.273E+00	1.0587	.9555	1.1588	1.0459	4.75E-04	4.29E-04	4.38E-01	1UPS	TILTOP	
25	42.100	10.254	.476	1.42E+02	4.815E-01	4.345E-01	.1488	.1343	.1539	.1389	6.31E-05	5.70E-05	6.05E-02	2DWN	1587PE	.1358
26	42.100	10.254	.953	3.70E+01	1.256E-01	1.134E-01	.0388	.0350	.0401	.0362	1.65E-05	1.49E-05	1.58E-02	2DWN	1587PE	.0354
27	42.100	10.254	1.587													
28	47.100	10.254	.476	1.32E+02	4.508E-01	4.068E-01	.1470	.1326	.1438	.1298	5.90E-05	5.32E-05	5.98E-02	2DWN	1587PE	.1285
29	47.100	10.254	.953	1.67E+01	5.676E-02	5.121E-02	.0185	.0167	.0181	.0164	7.44E-06	6.71E-06	7.54E-03	2DWN	1587PE	.0162
30	47.100	10.254	1.587	3.94E+00	1.339E-02	1.209E-02	.0044	.0039	.0043	.0039	1.76E-06	1.58E-06	1.78E-03	2DWN	1587PE	.0038
31	54.000	10.254	.476	1.53E+02	5.173E-01	4.669E-01	.1826	.1648	.1653	.1492	6.78E-05	6.12E-05	7.41E-02	2DWN	1587PE	.1481
32	54.000	10.254	.953	1.36E+01	4.621E-02	4.170E-02	.0153	.0147	.0148	.0133	6.06E-06	5.47E-06	6.62E-03	2DWN	1587PE	.0125
33	54.000	10.254	1.587	6.01E+00	2.040E-02	1.841E-02	.0072	.0065	.0065	.0059	2.67E-06	2.41E-06	2.92E-03	2DWN	1587PE	.0055
34	42.100	.238	.476	1.32E+02	4.464E-01	4.029E-01	.1382	.1247	.1427	.1288	5.85E-05	5.28E-05	5.81E-02	2DWN	4762PC	.1259
35	42.100	.238	.953	3.64E+01	1.235E-01	1.115E-01	.0382	.0345	.0395	.0356	1.62E-05	1.46E-05	1.55E-02	2DWN	4762PC	.0348
36	42.100	.238	1.587	2.22E+01	7.541E-02	6.806E-02	.0233	.0211	.0241	.0218	9.89E-06	8.92E-06	9.47E-03	2DWN	4762PC	.0213
37	47.100	.238	.476	1.41E+02	4.772E-01	4.307E-01	.1563	.1411	.1525	.1377	6.26E-05	5.65E-05	6.34E-02	2DWN	4762PC	.1363
38	47.100	.238	.953	3.59E+01	1.217E-01	1.098E-01	.0398	.0360	.0389	.0351	1.60E-05	1.44E-05	1.62E-02	2DWN	4762PC	.0348

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(2) 1972 PAGE 5

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
39	47.100	.238	1.587	2.36E+01	8.010E-02	7.230E-02	.0262	.0237	.0256	.0231	1.85E-05	9.48E-06	1.86E-02	2DWN	4762PC	.0229
40	54.888	.238	.476	1.50E+02	5.084E-01	4.590E-01	.1797	.1622	.1625	.1467	6.67E-05	6.02E-05	7.29E-02	2DWN	4762PC	.1377
41	54.888	.238	.953	5.52E+01	1.872E-01	1.690E-01	.0661	.0597	.0598	.0540	2.45E-05	2.22E-05	2.68E-02	2DWN	4762PC	.0507
42	54.888	.238	1.587	1.95E+01	6.605E-02	5.962E-02	.0233	.0211	.0211	.0191	8.66E-06	7.82E-06	9.46E-03	2DWN	4762PC	.0179
43	43.308	5.318	0.000	1.04E+03	3.524E+00	3.190E+00	1.1049	.9971	1.1261	1.0162	4.62E-04	4.17E-04	4.49E-01	2DWN	TILTOP	
44	45.988	5.318	0.388	1.02E+03	3.470E+00	3.132E+00	1.1203	1.0111	1.1090	1.0008	4.55E-04	4.11E-04	4.55E-01	2DWN	TILTOP	
45	48.488	5.318	0.000	1.04E+03	3.534E+00	3.199E+00	1.1718	1.0575	1.1294	1.0193	4.62E-04	4.18E-04	4.76E-01	2DWN	TILTOP	
46	51.688	5.318	0.000	1.07E+03	3.621E+00	3.269E+00	1.2419	1.1210	1.1573	1.0447	4.75E-04	4.29E-04	5.04E-01	2DWN	TILTOP	
47	54.888	5.318	0.000	1.09E+03	3.692E+00	3.333E+00	1.3059	1.1798	1.1796	1.0651	4.84E-04	4.37E-04	5.29E-01	2DWN	TILTOP	
48	57.988	5.318	0.000	1.08E+03	3.645E+00	3.290E+00	1.3241	1.1953	1.1648	1.0515	4.78E-04	4.31E-04	5.37E-01	2DWN	TILTOP	
49	20.388	-1.588	.476	2.61E+02	8.851E-01	7.988E-01	.1902	.1717	.2829	.2553	1.16E-04	1.05E-04	7.72E-02	3UPS	3175TD	.2613
50	20.388	-1.588	.714	1.87E+02	3.639E-01	3.285E-01	.0782	.0706	.1163	.1050	4.77E-05	4.31E-05	1.17E-02	3UPS	3175TD	.1074
51	20.388	-1.588	.953	3.31E+01	1.123E-01	1.013E-01	.0241	.0218	.0359	.0324	1.47E-05	1.33E-05	9.79E-03	3UPS	3175TD	.0331
52	20.388	-1.588	1.270	1.43E+01	4.844E-02	4.372E-02	.0104	.0094	.0155	.0140	6.35E-06	5.73E-06	4.22E-03	3UPS	3175TD	.0143
53	20.388	-1.588	1.587	3.94E+00	1.336E-02	1.206E-02	.0029	.0026	.0043	.0039	1.75E-06	1.58E-06	1.17E-03	3UPS	3175TD	.0039
54	20.388	-2.778	.476	1.61E+02	5.465E-01	4.933E-01	.1175	.1060	.1747	.1576	7.16E-05	6.47E-05	4.77E-02	3UPS	3175TD	.1613
55	20.388	-2.778	.714	5.39E+01	1.829E-01	1.650E-01	.0393	.0355	.0584	.0527	2.40E-05	2.16E-05	1.59E-02	3UPS	3175TD	.0540
56	20.388	-2.778	.953													
57	20.388	-2.778	1.270	1.20E+01	4.077E-02	3.680E-02	.0088	.0079	.0130	.0118	5.35E-06	4.82E-06	3.56E-03	3UPS	3175TD	.0120
58	20.388	-2.778	1.587	2.86E+01	6.978E-02	6.298E-02	.0150	.0135	.0223	.0201	9.15E-06	8.26E-06	6.09E-03	3UPS	3175TD	.0206
59	20.388	-5.318	.476	1.73E+02	5.867E-01	5.286E-01	.1258	.1136	.1872	.1689	7.68E-05	6.93E-05	5.11E-02	3UPS	3175TD	.1729
60	20.388	-5.318	.714	3.45E+01	1.171E-01	1.057E-01	.0251	.0227	.0374	.0338	1.53E-05	1.39E-05	1.02E-02	3UPS	3175TD	.0346
61	20.388	-5.318	.953	1.45E+01	4.914E-02	4.435E-02	.0106	.0095	.0157	.0142	6.44E-06	5.81E-06	4.29E-03	3UPS	3175TD	.0145
62	20.388	-5.318	1.270	1.07E+01	3.624E-02	3.271E-02	.0078	.0070	.0116	.0105	4.75E-06	4.29E-06	3.16E-03	3UPS	3175TD	.0107
63	20.388	-5.318	1.587	1.88E+01	6.392E-02	5.768E-02	.0137	.0124	.0204	.0184	8.38E-06	7.56E-06	5.57E-03	3UPS	3175TD	.0189
64	21.688-10.254		.476	2.05E+02	6.672E-01	7.826E-01	.1928	.1733	.2772	.2501	1.14E-04	1.03E-04	7.80E-02	3UPS	3175PE	.2638
65	21.688-10.254		.953	4.95E+01	1.680E-01	1.516E-01	.0372	.0336	.0537	.0484	2.20E-05	1.99E-05	1.51E-02	3UPS	3175PE	.0498
66	21.688-10.254		1.587	1.38E+01	4.696E-02	4.238E-02	.0104	.0094	.0150	.0135	6.16E-06	5.56E-06	4.22E-03	3UPS	3175PE	.0137
67	26.788-10.254		.476	2.36E+02	8.010E-01	7.229E-01	.1972	.1780	.2560	.2310	1.05E-04	9.48E-05	8.01E-02	3UPS	3175PE	.2257
68	26.788-11.254		.953	6.66E+01	2.227E-01	2.010E-01	.0548	.0495	.0712	.0642	2.92E-05	2.64E-05	2.23E-02	3UPS	3175PE	.0627
69	26.788-13.254		1.587	1.67E+01	5.607E-02	5.114E-02	.0140	.0126	.0181	.0163	7.43E-06	6.70E-06	5.67E-03	3UPS	3175PE	.0160
70	34.388-13.254		.476	2.37E+02	8.046E-01	7.261E-01	.2246	.2027	.2571	.2321	1.05E-04	9.52E-05	9.12E-02	3UPS	3175PE	.2218
71	34.388-13.254		.953	5.95E+01	2.021E-01	1.824E-01	.0564	.0509	.0646	.0583	2.65E-05	2.39E-05	2.29E-02	3UPS	3175PE	.0555
72	34.388-10.254		1.587	3.46E+01	1.174E-01	1.060E-01	.0328	.0296	.0375	.0339	1.54E-05	1.39E-05	1.33E-02	3UPS	3175PE	.0322
73	40.688	-1.588	.476	9.78E+01	3.316E-01	2.993E-01	.1008	.0909	.1860	.0956	4.35E-05	3.92E-05	4.09E-02	3UPS	1587TU	.0929
74	40.688	-1.588	.953	6.47E+00	2.195E-02	1.981E-02	.0067	.0060	.0070	.0063	2.88E-06	2.60E-06	2.71E-03	3UPS	1587TU	.0061
75	40.688	-1.588	1.587	1.40E+01	4.754E-02	4.291E-02	.0144	.0130	.0152	.0137	6.23E-06	5.63E-06	5.86E-03	3UPS	1587TU	.0133
76	40.688	-5.318	.476	8.00E+01	2.712E-01	2.448E-01	.0824	.0744	.0867	.0782	3.56E-05	3.21E-05	3.34E-02	3UPS	1587TU	.0759
77	40.688	-5.318	.953	1.35E+01	4.570E-02	4.125E-02	.0139	.0125	.0146	.0132	5.99E-06	5.41E-06	5.64E-03	3UPS	1587TU	.0128
78	40.688	-5.318	1.587	1.12E+01	3.805E-02	3.434E-02	.0116	.0104	.0122	.0110	4.99E-06	4.50E-06	4.69E-03	3UPS	1587TU	.0107
79	40.888	-1.588	.476	6.81E+01	2.310E-01	2.085E-01	.0704	.0635	.0738	.0666	3.03E-05	2.73E-05	2.86E-02	4DWN	1587TD	.0648
80	40.888	-1.588	.714	3.38E+01	1.145E-01	1.034E-01	.0349	.0315	.0366	.0330	1.50E-05	1.36E-05	1.42E-02	4DWN	1587TD	.0321
81	40.888	-1.588	.953	2.36E+01	8.011E-02	7.230E-02	.0244	.0220	.0256	.0231	1.05E-05	9.48E-06	9.90E-03	4DWN	1587TD	.0225
82	40.888	-1.588	1.270	1.37E+01	4.662E-02	4.208E-02	.0142	.0128	.0149	.0134	6.11E-06	5.52E-06	5.76E-03	4DWN	1587TD	.0131
83	40.888	-1.588	1.587	1.20E+00	4.077E-03	3.680E-03	.0012	.0011	.0013	.0012	5.35E-07	4.82E-07	5.04E-04	4DWN	1587TD	.0011
84	46.888	-2.778	.476	7.19E+01	2.437E-01	2.199E-01	.0742	.0670	.0779	.0703	3.19E-05	2.88E-05	3.01E-02	4DWN	1587TD	.0683

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 P.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(21 1972

PAGE 6

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/HR	MT/HR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
85	40.000	-2.778	.714	2.32E+01	7.051E-02	7.086E-02	.0239	.0216	.0251	.0226	1.03E-05	9.29E-06	9.71E-03	4DWN	150TTD	.0220
86	40.000	-2.778	.953	8.08E+00	2.738E-02	2.471E-02	.0083	.0075	.0088	.0079	3.59E-06	3.24E-06	3.39E-03	4DWN	150TTD	.0077
87	40.000	-2.778	1.270	5.34E+00	2.151F-02	1.941E-02	.0066	.0059	.0069	.0062	2.42E-06	2.55E-06	2.66E-03	4DWN	150TTD	.0060
88	40.000	-2.778	1.587	3.27E+00	1.110SE-02	1.031F-02	.0034	.0030	.0035	.0032	1.44E-06	1.31E-06	1.37E-03	4DWN	150TTD	.0031
89	40.000	-5.318	.476	7.17E+01	2.431E-01	2.194E-01	.0740	.0668	.0777	.0701	3.19E-05	2.88E-05	3.01E-02	4DWN	150TTD	.0681
90	40.000	-5.318	.714	2.20E+01	7.460E-02	6.741E-02	.0228	.0205	.0239	.0215	9.79E-06	8.84E-06	9.23E-03	4DWN	150TTD	.0209
91	40.000	-5.318	.953	1.32E+01	4.310E-02	3.900E-02	.0127	.0115	.0138	.0125	5.32E-06	4.81E-06	5.10E-03	4DWN	150TTD	.0121
92	40.000	-5.318	1.270	1.46E+00	4.600E-03	4.100E-03	.0013	.0012	.0015	.0013	5.63E-07	5.09E-07	5.03E-04	4DWN	150TTD	.0013
93	40.000	-5.318	1.587	4.73E+00	1.550E-02	1.400E-02	.0046	.0041	.0050	.0045	1.91E-06	1.72E-06	1.80E-03	4DWN	150TTD	.0043
94	42.100	-10.254	.476	3.14E+02	1.025E+00	9.275E-01	.3075	.2782	.3276	.2964	1.26E-04	1.14E-04	1.24E-01	4DWN	315PE	.2899
95	42.100	-10.254	1.587	7.86E+01	7.110E-02	7.110E-02	.0236	.0213	.0251	.0227	9.69E-06	8.77E-06	9.50E-03	4DWN	315PE	.0222
96	42.100	-10.254	1.587	2.40E+01	9.453E-01	8.555E-01	.3007	.2721	.3021	.2734	1.17E-04	1.05E-04	1.21E-01	4DWN	315PE	.2788
97	47.100	-10.254	.476	2.90E+02	9.453E-01	8.555E-01	.3007	.2721	.3021	.2734	1.17E-04	1.05E-04	1.21E-01	4DWN	315PE	.2788
98	47.100	-10.254	.953	9.96E+01	1.943E-01	1.758E-01	.0617	.0559	.0621	.0562	2.40E-05	2.17E-05	2.49E-02	4DWN	315PE	.0556
99	47.100	-10.254	1.587	3.71E+01	1.212E-01	1.097E-01	.0385	.0348	.0387	.0351	1.49E-05	1.35E-05	1.55E-02	4DWN	315PE	.0347
100	54.000	-10.254	.476	2.56E+02	8.334E-01	7.544E-01	.2863	.2592	.2863	.2411	1.03E-04	9.30E-05	1.15E-01	4DWN	315PE	.2264
102	54.000	-10.254	1.587	8.90E+00	2.930E-02	2.652E-02	.0100	.0091	.0094	.0085	3.61E-06	3.27E-06	4.00E-03	4DWN	315PE	.0080
103	61.100	-1.588	.476	1.56E+02	5.079E-01	4.596E-01	.1839	.1664	.1623	.1469	6.26E-05	5.67E-05	7.40E-02	4DWN	317STU	.1415
104	61.100	-1.588	.953	3.19E+01	1.042E-01	9.430E-02	.0377	.0341	.0333	.0301	1.28E-05	1.16E-05	1.52E-02	4DWN	317STU	.0290
105	61.100	-1.588	1.587	1.06E+00	1.590E-02	1.440E-02	.0057	.0052	.0051	.0046	1.96E-06	1.77E-06	2.30E-03	4DWN	317STU	.0044
106	61.100	-5.318	.476	1.03E+02	5.966E-01	5.399E-01	.2161	.1955	.1907	.1725	7.36E-05	6.66E-05	8.70E-02	4DWN	317STU	.1663
107	61.188	-5.318	.953	2.34E+01	7.620E-02	6.900E-02	.0276	.0250	.0244	.0221	9.40E-06	8.51E-06	1.11E-02	4DWN	317STU	.0212
108	61.188	-5.318	1.587	1.33E+00	4.300E-03	3.900E-03	.0014	.0014	.0014	.0012	5.36E-07	4.81E-07	6.00E-04	4DWN	317STU	.0012

REFERANCE HEATING CURVE FOR RUN 3
H-REF W/M2-K 4.52E+00 4.58E+00 4.63E+00 4.72E+00 4.77E+00 4.78E+00 4.78E+00 4.82E+00 4.50E+00 4.67E+00 4.67E+00 4.64E+00 4.77E+00
W-REF W/M2-K 4.83E+00
AT X(CM) 2.29E+01 2.54E+01 2.79E+01 3.11E+01 3.43E+01 3.75E+01 4.33E+01 4.59E+01 4.84E+01 5.16E+01 5.40E+01
AT X(CM) 5.79E+01

MACH 8 V.D. TEST(622), C.S.JOHNSON RSI TILE GAPS, RUN(3) 1972 PAGE 7

TSTAG(K) = 7.1038E+02
PSTAG(N/M2)= 1.4389E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 7.7073E+06
MACH = 7.790
XNSTREF = .404
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-19 = 0.5166E+06

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	21.600	10.254	.476	4.47E+02	1.434E+00	1.298E+00	.2442	.2211	.3175	.2975	1.10E-04	9.98E-05	9.87E-02	1UPS	1587PE	.2894
2	21.600	10.254	.953	1.12E+02	3.599E-01	3.258E-01	.0612	.0554	.0797	.0721	2.77E-05	2.51E-05	2.49E-02	1UPS	1597PE	.0726
3	21.600	10.254	1.587	3.55E+01	1.143E-01	1.034E-01	.0194	.0176	.0253	.0229	8.79E-06	7.95E-06	7.86E-03	1UPS	1597PE	.0231
4	26.700	10.254	.476	3.07E+02	9.836E-01	8.937E-01	.1864	.1586	.2178	.1972	7.56E-05	6.85E-05	7.51E-02	1UPS	1587PE	.1934
5	26.700	10.254	.953	7.36E+01	2.362E-01	2.139E-01	.0447	.0405	.0523	.0474	1.82E-05	1.64E-05	1.81E-02	1UPS	1597PE	.0464
6	26.700	10.254	1.587	1.68E+01	5.414E-02	4.901E-02	.0102	.0093	.0120	.0109	4.16E-06	3.77E-06	4.14E-03	1UPS	1587PE	.0106
7	34.300	10.254	.476	2.72E+02	8.715E-01	7.892E-01	.1872	.1595	.1930	.1747	6.70E-05	6.07E-05	7.56E-02	1UPS	1587PE	.1653
8	34.300	10.254	.953	6.53E+01	2.095E-01	2.332E-01	.0552	.0500	.0570	.0516	1.98E-05	1.79E-05	2.23E-02	1UPS	1587PE	.0488
9	34.300	10.254	1.587	1.49E+01	1.005E-01	9.530E-02	.0226	.0204	.0233	.0211	8.10E-06	7.33E-06	9.13E-03	1UPS	1587PE	.0200
10	21.600	.238	.476	1.49E+02	4.745E-01	4.297E-01	.0809	.0733	.1051	.0952	3.65E-05	3.30E-05	3.27E-02	1UPS	4762PC	.0958
11	21.600	.238	.953	4.90E+01	1.544E-01	1.397E-01	.0262	.0237	.0342	.0309	1.19E-05	1.07E-05	1.06E-02	1UPS	4762PC	.0311
12	21.600	.238	1.587	1.62E+01	1.419E-01	1.285E-01	.0241	.0219	.0314	.0284	1.09E-05	9.88E-06	9.77E-03	1UPS	4762PC	.0286
13	26.700	.238	.476	2.62E+02	8.364E-01	7.578E-01	.1591	.1441	.1652	.1678	6.43E-05	5.83E-05	6.40E-02	1UPS	4762PC	.1645
14	26.700	.238	.953	7.76E+01	2.481E-01	2.247E-01	.0471	.0427	.0549	.0499	1.91E-05	1.73E-05	1.90E-02	1UPS	4762PC	.0488
15	26.700	.238	1.587	4.19E+01	1.342E-01	1.215E-01	.0254	.0230	.0297	.0269	1.03E-05	9.34E-06	1.03E-02	1UPS	4762PC	.0264
16	34.300	.238	.476	2.82E+02	8.999E-01	8.154E-01	.1941	.1758	.1993	.1806	6.92E-05	6.27E-05	7.81E-02	1UPS	4762PC	.1788
17	34.300	.238	.953													
18	34.300	.238	1.587	1.07E+01	3.460E-02	3.131E-02	.0074	.0067	.0077	.0069	2.66E-06	2.41E-06	3.00E-03	1UPS	4762PC	.0066
19	22.900	5.318	0.000	1.56E+03	4.983E+00	4.516E+00	.8791	.7966	1.1035	.9999	3.83E-04	3.47E-04	3.53E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	1.59E+03	5.049E+00	4.576E+00	.9389	.8509	1.1183	1.0133	3.88E-04	3.52E-04	3.77E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	1.61E+03	5.113E+00	4.634E+00	.9965	.9031	1.1322	1.0261	3.93E-04	3.56E-04	4.00E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	1.64E+03	5.238E+00	4.720E+00	1.0714	.9709	1.1533	1.0452	4.01E-04	3.63E-04	4.30E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	1.65E+03	5.270E+00	4.775E+00	1.1369	1.0292	1.1670	1.0573	4.05E-04	3.67E-04	4.57E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	1.65E+03	5.279E+00	4.782E+00	1.1885	1.0767	1.1689	1.0588	4.06E-04	3.68E-04	4.79E-01	1UPS	TILTOP	
25	42.100	10.254	.476	2.49E+02	7.955E-01	7.231E-01	.1888	.1709	.1761	.1595	6.12E-05	5.54E-05	7.64E-02	2DWN	1597PE	.1547
26	42.100	10.254	.953	4.08E+01	1.311E-01	1.187E-01	.0311	.0281	.0290	.0263	1.01E-05	9.13E-06	1.26E-02	2DWN	1597PE	.0255
27	42.100	10.254	1.587													
28	47.100	10.254	.476	1.99E+02	6.392E-01	5.786F-01	.1606	.1454	.1415	.1281	4.92E-05	4.45E-05	6.50E-02	2DWN	1587PE	.1251
29	47.100	10.254	.953	3.59E+01	1.796E-01	1.626E-01	.0451	.0408	.0398	.0360	1.38E-05	1.25E-05	1.83E-02	2DWN	1587PE	.0351
30	47.100	10.254	1.587	1.27E+01	4.096F-02	3.707E-02	.0103	.0093	.0091	.0082	3.15E-06	2.85E-06	4.16E-03	2DWN	1587PE	.0080
31	54.800	10.254	.476	2.46E+02	7.943E-01	7.193E-01	.2157	.1953	.1759	.1593	6.11E-05	5.53E-05	8.71E-02	2DWN	1587PE	.1587
32	54.800	10.254	.953	9.32E+01	1.708E-01	1.546E-01	.0463	.0419	.0378	.0342	1.31E-05	1.19E-05	1.87E-02	2DWN	1597PE	.0324
33	54.800	10.254	1.587	2.51E+01	8.073E-02	7.305E-02	.0218	.0198	.0179	.0162	6.21E-06	5.62E-06	8.85E-03	2DWN	1587PE	.0153
34	42.100	.238	.476	2.21E+02	7.061E-01	6.395E-01	.1682	.1523	.1564	.1416	5.43E-05	4.92E-05	6.79E-02	2DWN	4762PC	.1374
35	42.100	.238	.953	8.70E+01	2.787E-01	2.524E-01	.0663	.0601	.0617	.0559	2.14E-05	1.94E-05	2.68E-02	2DWN	4762PC	.0542
36	42.100	.238	1.587	4.29E+01	1.379E-01	1.249E-01	.0327	.0296	.0305	.0276	1.06E-05	9.60E-06	1.33E-02	2DWN	4762PC	.0268
37	47.100	.238	.476	2.56E+02	8.184E-01	7.413E-01	.2065	.1870	.1812	.1642	6.29E-05	5.70E-05	8.32E-02	2DWN	4762PC	.1603
38	47.100	.238	.953	8.65E+01	2.768E-01	2.507E-01	.0698	.0632	.0613	.0555	2.13E-05	1.93E-05	2.81E-02	2DWN	4762PC	.0542

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MACH 8 V.D. TEST(622), C.G.JOHNSON RSI TILE GAPS, RUN(3) 1972 PAGE 8

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/HR	MT/HR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
39	47.100	.238	1.587	6.43E+01	2.063E-01	1.868E-01	.0519	.0470	.0457	.0414	1.59E-05	1.44E-05	2.10E-02	2DWN	4762PC	.8404
40	54.300	.238	.476	2.33E+02	7.447E-01	6.746E-01	.2028	.1837	.1649	.1494	5.73E-05	5.19E-05	8.16E-02	2DWN	4762PC	.1413
41	54.000	.238	.953	4.21E+01	1.346E-01	1.219E-01	.0366	.0332	.0298	.0270	1.04E-05	9.38E-06	1.48E-02	2DWN	4762PC	.0255
42	54.000	.239	1.567	3.63E+01	1.163E-01	1.053E-01	.0315	.0286	.0257	.0233	8.94E-06	8.10E-06	1.27E-02	2DWN	4762PC	.0221
43	43.300	5.318	0.000	1.59E+03	5.100E+00	4.619E+00	1.2328	1.1176	1.1293	1.0228	3.93E-04	3.55E-04	4.97E-01	2DWN	TILTOP	
44	45.900	5.318	0.000	1.58E+03	5.061E+00	4.584E+00	1.2599	1.1412	1.1207	1.0151	3.89E-04	3.53E-04	5.06E-01	2DWN	TILTOP	
45	48.600	5.318	0.000	1.61E+03	5.156E+00	4.671E+00	1.3180	1.1938	1.1418	1.0342	3.97E-04	3.59E-04	5.45E-01	2DWN	TILTOP	
46	51.600	5.318	0.000	1.65E+03	5.119E+00	4.638E+00	1.3574	1.2262	1.1335	1.0270	3.94E-04	3.57E-04	5.77E-01	2DWN	TILTOP	
47	54.600	5.318	0.000	1.65E+03	5.267E+00	4.773E+00	1.4376	1.3008	1.1664	1.0570	4.05E-04	3.67E-04	6.01E-01	2DWN	TILTOP	
48	57.900	5.318	0.000	1.67E+03	5.334E+00	4.834E+00	1.4959	1.3555	1.1912	1.0793	4.10E-04	3.72E-04	1.09E-01	3UPS	3175TD	.3314
49	20.300	-1.508	.476	5.09E+02	1.630E+00	1.476E+00	.2696	.2442	.2418	.2269	1.25E-04	1.14E-04	1.09E-01	3UPS	3175TD	.1321
50	20.300	-1.508	.714	2.03E+02	6.500E-01	5.884E-01	.1074	.0973	.1034	.1303	5.00E-05	4.53E-05	4.34E-02	3UPS	3175TD	
51	20.300	-1.508	.953	9.28E+01	2.950E-01	2.490E-01	.0454	.0411	.0469	.0551	2.11E-05	1.91E-05	1.81E-02	3UPS	3175TD	.0559
52	20.300	-1.508	1.270	3.29E+01	1.056E-01	9.550E-02	.0174	.0158	.0234	.0211	8.11E-06	7.34E-06	7.04E-03	3UPS	3175TD	.0214
53	20.300	-1.508	1.587	2.32E+01	7.463E-02	6.756E-02	.0123	.0111	.0165	.0150	5.74E-06	5.20E-06	4.98E-03	3UPS	3175TD	.0152
54	20.300	-2.778	.476	2.89E+02	9.251E-01	8.378E-01	.1529	.1385	.2049	.1855	7.11E-05	6.44E-05	6.17E-02	3UPS	3175TD	.1881
55	20.300	-2.778	.714	1.28E+02	3.447E-01	3.121E-01	.0569	.0516	.0763	.0691	2.65E-05	2.40E-05	2.30E-02	3UPS	3175TD	.0701
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	3.16E+01	1.016E-01	9.196E-02	.0167	.0152	.0225	.0204	7.81E-06	7.07E-06	6.78E-03	3UPS	3175TD	.0206
58	20.300	-2.778	1.587	3.60E+01	1.158E-01	1.048E-01	.0191	.0173	.0256	.0232	8.90E-06	8.06E-06	7.73E-03	3UPS	3175TD	.0235
59	20.300	-5.318	.476	2.70E+02	8.641E-01	7.825E-01	.1427	.1292	.1913	.1733	6.65E-05	6.02E-05	5.77E-02	3UPS	3175TD	.1756
60	20.300	-5.318	.714	7.63E+01	2.450E-01	2.218E-01	.0404	.0366	.0543	.0491	1.88E-05	1.71E-05	1.63E-02	3UPS	3175TD	.0498
61	20.300	-5.318	.953	4.41E+01	1.415E-01	1.281E-01	.0233	.0211	.0313	.0284	1.09E-05	9.85E-06	9.44E-03	3UPS	3175TD	.0288
62	20.300	-5.318	1.270	2.42E+01	7.449E-02	6.743E-02	.0123	.0111	.0165	.0149	5.73E-06	5.19E-06	4.97E-03	3UPS	3175TD	.0151
63	20.300	-5.318	1.587	1.91E+01	6.152E-02	5.568E-02	.0101	.0092	.0136	.0123	4.73E-06	4.28E-06	4.10E-03	3UPS	3175TD	.0125
64	21.600	-10.254	.476	3.85E+02	1.238E+00	1.121E+00	.2106	.1906	.2742	.2482	9.52E-05	8.62E-05	8.57E-02	3UPS	3175PE	.2499
65	21.600	-10.254	.953	8.70E+01	2.659E-01	2.416E-01	.0453	.0410	.0591	.0535	2.03E-05	1.84E-05	1.84E-02	3UPS	3175PE	.0538
66	21.600	-10.254	1.587	2.35E+01	7.593E-02	6.862E-02	.0129	.0116	.0168	.0152	5.83E-06	5.28E-06	5.22E-03	3UPS	3175PE	.0153
67	26.700	-10.254	.476	4.67E+02	1.567E+00	1.415E+00	.2958	.2678	.3461	.3133	1.20E-04	1.09E-04	1.20E-01	3UPS	3175PE	.3072
68	26.700	-10.254	.953	1.26E+02	4.057E-01	3.673E-01	.0767	.0694	.0898	.0813	3.12E-05	2.82E-05	3.10E-02	3UPS	3175PE	.0797
69	26.700	-10.254	1.587	4.98E+01	1.572E-01	1.423E-01	.0297	.0268	.0348	.0315	1.21E-05	1.09E-05	1.20E-02	3UPS	3175PE	.0309
70	34.300	-10.254	.476	4.12E+02	1.321E+00	1.196E+00	.2835	.2568	.2924	.2648	1.02E-04	9.20E-05	1.15E-01	3UPS	3175PE	.2605
71	34.300	-10.254	.953	1.20E+02	4.097E-01	3.709E-01	.0879	.0796	.0907	.0821	3.15E-05	2.85E-05	3.55E-02	3UPS	3175PE	.0777
72	34.300	-10.254	1.587	5.48E+01	1.755E-01	1.589E-01	.0376	.0340	.0389	.0352	1.35E-05	1.22E-05	1.52E-02	3UPS	3175PE	.0333
73	40.600	-1.508	.476	1.27E+02	4.055E-01	3.671E-01	.0949	.0859	.0998	.0813	3.12E-05	2.82E-05	3.83E-02	3UPS	1587TU	.0792
74	40.600	-1.508	.953	2.91E+01	9.308E-02	8.430E-02	.0218	.0197	.0216	.0187	7.16E-06	6.48E-06	8.79E-03	3UPS	1587TU	.0180
75	40.600	-1.508	1.587	1.75E+01	5.615E-02	5.084E-02	.0131	.0119	.0124	.0113	4.32E-06	3.91E-06	5.30E-03	3UPS	1587TU	.0108
76	40.600	-5.318	.476	1.38E+02	4.404E-01	3.988E-01	.1029	.0932	.0975	.0883	3.39E-05	3.07E-05	4.16E-02	3UPS	1587TU	.0859
77	40.600	-5.318	.953	1.23E+01	3.945E-02	3.573E-02	.0092	.0083	.0087	.0079	3.03E-06	2.75E-06	3.72E-03	3UPS	1587TU	.0076
78	40.600	-5.318	1.587	3.26E+00	1.048E-02	9.488E-03	.0024	.0022	.0023	.0021	8.06E-07	7.30E-07	9.89E-04	3UPS	1587TU	.0020
79	40.800	-1.508	.476	8.26E+01	2.643E-01	2.393E-01	.0619	.0561	.0585	.0530	2.03E-05	1.84E-05	2.50E-02	4DWN	1587TD	.0518
80	40.800	-1.508	.714	4.20E+01	1.345E-01	1.218E-01	.0315	.0285	.0298	.0270	1.03E-05	9.37E-06	1.27E-02	4DWN	1587TD	.0260
81	40.800	-1.508	.953	3.17E+01	1.015E-01	9.190E-02	.0238	.0215	.0225	.0203	7.80E-06	7.07E-06	9.60E-03	4DWN	1587TD	.0198
82	40.800	-1.508	1.270	1.28E+01	4.098E-02	3.710E-02	.0096	.0087	.0091	.0082	3.15E-06	2.85E-06	3.88E-03	4DWN	1587TD	.0079
83	40.800	-1.508	1.587	9.05E+00	2.907E-02	2.632E-02	.0068	.0062	.0064	.0058	2.24E-06	2.02E-06	2.75E-03	4DWN	1587TD	.0056
84	40.800	-2.778	.476	9.08E+01	2.907E-01	2.633E-01	.0681	.0617	.0644	.0583	2.24E-05	2.02E-05	2.75E-02	4DWN	1587TD	.0561

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
85	40.800	-2.778	.714	4.65E+01	1.296E-01	1.173E-01	.0384	.0275	.0287	.0210	9.97E-06	9.02E-06	1.23E-02	4DWN	1587TD	.0258
86	40.800	-2.778	.953	2.36E+01	7.574E-02	6.858E-02	.0177	.0161	.0160	.0152	5.82E-06	5.27E-06	7.16E-03	4DWN	1587TD	.0146
87	40.800	-2.778	1.270	3.46E+00	1.111E-02	1.006E-02	.0026	.0024	.0025	.0022	8.54E-07	7.73E-07	1.05E-03	4DWN	1587TD	.0021
88	40.800	-2.778	1.587	1.53E+00	4.917E-03	4.451E-03	.0011	.0010	.0011	.0010	3.78E-07	3.42E-07	4.65E-04	4DWN	1587TD	.0009
89	40.800	-5.318	.476	8.28E+01	2.629E-01	2.381E-01	.0616	.0558	.0582	.0527	2.02E-05	1.83E-05	2.49E-02	4DWN	1587TD	.0508
90	40.800	-5.318	.714	3.27E+01	1.050E-01	9.505E-02	.0246	.0223	.0232	.0210	8.07E-06	7.31E-06	9.93E-03	4DWN	1587TD	.0203
91	40.800	-5.318	.953	4.19E+00	1.330E-02	1.200E-02	.0030	.0027	.0029	.0027	9.65E-07	8.74E-07	1.20E-03	4DWN	1587TD	.0026
92	40.800	-5.318	1.270	1.36E+01	4.300E-02	3.910E-02	.0098	.0089	.0095	.0086	3.12E-06	2.83E-06	3.90E-03	4DWN	1587TD	.0083
93	40.800	-5.318	1.587	3.13E+00	9.980E-03	9.030E-03	.0023	.0020	.0022	.0020	7.20E-07	6.52E-07	9.00E-04	4DWN	1587TD	.0019
94	42.100	-5.254	.476	4.09E+02	1.296E+00	1.175E+00	.2994	.2712	.2870	.2601	9.42E-05	8.54E-05	1.21E-01	4DWN	3175PE	.2524
95	42.100	-5.254	1.587	1.23E+01	3.910E-02	3.540E-02	.0090	.0082	.0087	.0078	2.84E-06	2.57E-06	3.60E-03	4DWN	3175PE	.0076
97	47.100	-10.254	.476	3.57E+02	1.127E+00	1.022E+00	.2760	.2501	.2496	.2262	8.19E-05	7.42E-05	1.11E-01	4DWN	3175PE	.2208
98	47.100	-10.254	.953	7.81E+01	2.471E-01	2.239E-01	.0605	.0548	.0547	.0496	1.80E-05	1.63E-05	2.44E-02	4DWN	3175PE	.0484
99	47.100	-10.254	1.587	1.40E+01	4.440E-02	4.030E-02	.0109	.0098	.0098	.0089	3.23E-06	2.93E-06	4.40E-03	4DWN	3175PE	.0087
100	54.800	-10.254	.476	3.03E+02	9.547E-01	8.654E-01	.2525	.2289	.2114	.1916	6.94E-05	6.29E-05	1.02E-01	4DWN	3175PE	.1613
102	54.800	-10.254	1.587	2.19E+01	6.940E-02	6.290E-02	.0183	.0166	.0154	.0139	5.04E-06	4.57E-06	7.40E-03	4DWN	3175PE	.0132
103	61.100	-1.508	.476	2.25E+02	7.111E-01	6.444E-01	.1982	.1797	.1575	.1427	5.17E-05	4.68E-05	7.99E-02	4DWN	3175TU	.1317
104	61.100	-1.508	.953	7.62E+01	2.410E-01	2.184E-01	.0672	.0609	.0534	.0484	1.75E-05	1.59E-05	2.71E-02	4DWN	3175TU	.0450
105	61.100	-1.508	1.587	8.51E+00	2.700E-02	2.440E-02	.0075	.0068	.0060	.0054	1.96E-06	1.78E-06	3.00E-03	4DWN	3175TU	.0050
106	61.100	-5.318	.476	1.86E+02	5.869E-01	5.319E-01	.1636	.1483	.1300	.1178	4.26E-05	3.87E-05	6.59E-02	4DWN	3175TU	.1087
107	61.100	-5.318	.953	2.35E+01	7.450E-02	6.750E-02	.0207	.0188	.0165	.0149	5.41E-06	4.91E-06	8.40E-03	4DWN	3175TU	.0138
108	61.100	-5.318	1.587	8.52E+00	2.700E-02	2.450E-02	.0075	.0068	.0060	.0054	1.96E-06	1.78E-06	3.00E-03	4DWN	3175TU	.0050

REFERANCE HEATING CURVE FOR RUN 5											
H-REF W/M2-K	6.79E+00	6.81E+00	6.86E+00	6.98E+00	7.08E+00	7.11E+00	6.80E+00	6.77E+00	6.95E+00	6.99E+00	7.13E+00
H-REF W/M2-K	7.14E+00										
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01
AT X(CM)	5.79E+01										

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(4) 1972

TSTAG(K) = 7.4597E+02
PSTAG(N/M2)= 2.5807E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 5.8805E+06
MACH = 7.870
XNSTREF = .412
TAW/TT =SORT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-19 = 6.7940E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	21.600	10.254	.476	7.88E+02	2.295E+00	2.087E+00	.3031	.2756	.3378	.3071	1.09E-04	9.90E-05	1.22E-01	1UPS	1587PE	.3074
2	21.600	10.254	.953	1.61E+02	4.706E-01	4.278E-01	.0621	.0565	.0693	.0630	2.23E-05	2.03E-05	2.50E-02	1UPS	1587PE	.0630
3	21.600	10.254	1.587	3.67E+01	1.075E-01	9.774E-02	.0142	.0129	.0158	.0144	5.10E-06	4.64E-06	5.71E-03	1UPS	1587PE	.0144
4	26.700	10.254	.476	4.68E+02	1.365E+00	1.241E+00	.2006	.1824	.2009	.1826	6.47E-05	5.89E-05	8.86E-02	1UPS	1587PE	.1815
5	26.700	10.254	.953	9.67E+01	2.822E-01	2.566E-01	.0414	.0377	.0415	.0378	1.34E-05	1.22E-05	1.67E-02	1UPS	1587PE	.0375
6	26.700	10.254	1.587	3.83E+01	1.120E-01	1.018E-01	.0164	.0149	.0165	.0150	5.31E-06	4.83E-06	6.61E-03	1UPS	1587PE	.0149
7	34.300	10.254	.476	4.13E+02	1.203E+00	1.094E+00	.2005	.1823	.1771	.1610	5.71E-05	5.19E-05	8.05E-02	1UPS	1587PE	.1546
8	34.300	10.254	.953	9.92E+01	2.896E-01	2.633E-01	.0482	.0438	.0426	.0388	1.37E-05	1.25E-05	1.94E-02	1UPS	1587PE	.0372
9	34.300	10.254	1.587	3.15E+01	9.196E-02	8.360E-02	.0153	.0139	.0135	.0123	4.36E-06	3.97E-06	6.15E-03	1UPS	1587PE	.0118
10	21.600	.238	.476	2.20E+02	6.412E-01	5.831E-01	.0848	.0771	.0944	.0858	3.04E-05	2.77E-05	3.40E-02	1UPS	4762PC	.0859
11	21.600	.238	.953	7.14E+01	2.089E-01	1.899E-01	.0275	.0250	.0308	.0280	9.91E-06	9.01E-06	1.11E-02	1UPS	4762PC	.0280
12	21.600	.238	1.587	4.75E+01	1.387E-01	1.261E-01	.0183	.0166	.0204	.0186	6.58E-06	5.98E-06	7.36E-03	1UPS	4762PC	.0186
13	26.700	.238	.476	4.71E+02	1.366E+00	1.243E+00	.2015	.1834	.2011	.1830	6.48E-05	5.90E-05	8.07E-02	1UPS	4762PC	.1818
14	26.700	.238	.953	1.29E+02	3.738E-01	3.400E-01	.0551	.0501	.0550	.0500	1.77E-05	1.61E-05	2.21E-02	1UPS	4762PC	.0497
15	26.700	.238	1.587	9.82E+01	2.854E-01	2.604E-01	.0421	.0383	.0421	.0383	1.36E-05	1.23E-05	1.69E-02	1UPS	4762PC	.0381
16	34.300	.238	.476	5.92E+02	1.720E+00	1.565E+00	.2876	.2616	.2531	.2303	8.16E-05	7.42E-05	1.15E-01	1UPS	4762PC	.2718
17	34.300	.238	.953													
18	34.300	.238	1.587	2.14E+01	6.278E-02	5.734E-02	.0104	.0094	.0092	.0084	2.98E-06	2.71E-06	4.20E-03	1UPS	4762PC	.0081
19	22.900	5.318	0.000	2.57E+03	7.469E+00	6.794E+00	1.0233	.9262	1.0993	1.0001	3.54E-04	3.22E-04	4.03E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	2.58E+03	7.483E+00	6.808E+00	1.0775	.9804	1.1014	1.0021	3.55E-04	3.23E-04	4.31E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	2.60E+03	7.545E+00	6.865E+00	1.1389	1.0362	1.1106	1.0104	3.58E-04	3.26E-04	4.55E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	2.64E+03	7.668E+00	6.977E+00	1.2218	1.1116	1.1286	1.0269	3.64E-04	3.31E-04	4.89E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	2.68E+03	7.783E+00	7.079E+00	1.2998	1.1822	1.1456	1.0420	3.69E-04	3.36E-04	5.21E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	2.69E+03	7.817E+00	7.110E+00	1.3636	1.2402	1.1506	1.0464	3.71E-04	3.37E-04	5.47E-01	1UPS	TILTOP	
25	42.100	10.254	.476	4.04E+02	1.181E+00	1.074E+00	.2176	.1978	.1739	.1581	5.60E-05	5.09E-05	8.76E-02	2DWN	1587PE	.1565
26	42.100	10.254	.953	6.23E+01	1.822E-01	1.656E-01	.0335	.0305	.0268	.0244	8.64E-06	7.85E-06	1.35E-02	2DWN	1587PE	.0241
27	42.100	10.254	1.587													
28	47.100	10.254	.476	3.34E+02	9.760E-01	8.873E-01	.1902	.1729	.1436	.1306	4.63E-05	4.21E-05	7.65E-02	2DWN	1587PE	.1293
29	47.100	10.254	.953	5.97E+01	1.852E-01	1.683E-01	.0397	.0361	.0300	.0273	9.66E-06	8.78E-06	1.60E-02	2DWN	1587PE	.0270
30	47.100	10.254	1.587	3.54E+01	1.037E-01	9.423E-02	.0202	.0183	.0153	.0139	4.92E-06	4.47E-06	8.13E-03	2DWN	1587PE	.0137
31	54.800	10.254	.476	3.62E+02	1.055E+00	9.596E-01	.2223	.2022	.1553	.1412	5.00E-05	4.55E-05	8.92E-02	2DWN	1587PE	.1345
32	54.800	10.254	.953	8.15E+01	2.379E-01	2.163E-01	.0501	.0455	.0350	.0318	1.13E-05	1.03E-05	2.01E-02	2DWN	1587PE	.0303
33	54.800	10.254	1.587	2.06E+01	6.030E-02	5.481E-02	.0127	.0115	.0089	.0081	2.86E-06	2.60E-06	5.10E-03	2DWN	1587PE	.0077
34	42.100	.238	.476	6.80E+02	1.981E+00	1.801E+00	.3659	.3328	.2916	.2652	9.40E-05	8.54E-05	1.47E-01	2DWN	4762PC	.2625
35	42.100	.238	.953	2.11E+02	6.156E-01	5.598E-01	.1137	.1034	.0906	.0824	2.92E-05	2.66E-05	4.56E-02	2DWN	4762PC	.0816
36	42.100	.238	1.587	7.37E+01	2.063E-01	1.876E-01	.0380	.0346	.0304	.0276	9.79E-06	8.98E-06	1.53E-02	2DWN	4762PC	.0273
37	47.100	.238	.476	8.33E+02	2.424E+00	2.205E+00	.4742	.4313	.3568	.3246	1.15E-04	1.05E-04	1.98E-01	2DWN	4762PC	.3214
38	47.100	.238	.953	2.89E+02	8.416E-01	7.654E-01	.1645	.1496	.1239	.1127	3.99E-05	3.63E-05	6.68E-02	2DWN	4762PC	.1116

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 11

MACH 8 V.D. TEST(622), C.R.JOHNSON RSI TILE GAPS, RUN(4) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
39	47.100	.238	1.587	8.62E+01	2.515E-01	2.207E-01	.0491	.6446	.0370	.8337	1.19E-05	1.60E-05	1.97E-02	20WN	4762PC	.8333
40	56.800	.238	.476	5.72E+02	1.661E+00	1.511E+00	.3500	.3191	.2446	.2224	7.08E-05	7.17E-05	1.41E-01	20WN	4762PC	.2118
41	54.800	.238	.953	1.90E+02	9.751E-01	5.231E-01	.1213	.1103	.0846	.0770	2.73E-05	2.48E-05	4.86E-02	20WN	4762PC	.8733
42	54.800	.238	1.587	7.17E+01	2.690E-01	1.901E-01	.0440	.1400	.0308	.0280	9.91E-06	9.01E-06	1.77E-02	20WN	4762PC	.0266
43	43.300	5.318	0.000	2.56E+03	7.347E+00	6.737E+00	1.3997	1.2720	1.1001	1.0000	3.54E-04	3.22E-04	5.62E-01	20WN	TILTOP	
44	45.900	5.318	0.000	2.56E+03	7.450E+00	6.774E+00	1.4365	1.3064	1.0965	.9971	3.53E-04	3.21E-04	5.77E-01	20WN	TILTOP	
45	48.600	5.318	0.000	2.02E+03	7.695E+00	6.995E+00	1.5133	1.3761	1.1252	1.0232	3.63E-04	3.30E-04	6.04E-01	20WN	TILTOP	
46	51.600	5.318	0.000	2.64E+03	7.690E+00	6.993E+00	1.5744	1.4320	1.1310	1.0294	3.65E-04	3.32E-04	6.31E-01	20WN	TILTOP	
47	54.600	5.318	0.000	2.70E+03	7.842E+00	7.135E+00	1.6576	1.5080	1.1643	1.0501	3.72E-04	3.38E-04	6.63E-01	20WN	TILTOP	
48	57.900	5.318	0.000	2.70E+03	7.844E+00	7.136E+00	1.7636	1.5498	1.1546	1.0503	3.72E-04	3.38E-04	6.82E-01	20WN	TILTOP	.3842
49	20.300	-1.500	.476	9.03E+02	2.605E+00	2.608E+00	.3074	.3341	.4217	.3834	1.36E-04	1.24E-04	1.47E-01	3UPS	3175TD	.1616
53	20.300	-1.500	.714	4.13E+02	1.205E+00	1.096E+00	.1544	.1404	.1773	.1613	5.71E-05	5.20E-05	6.20E-02	3UPS	3175TD	
51	20.300	-1.500	.953	1.46E+02	4.256E-01	3.869E-01	.0545	.0496	.0626	.0570	2.02E-05	1.84E-05	2.19E-02	3UPS	3175TD	.0571
52	20.300	-1.500	1.270	6.32E+01	1.931E-01	1.756E-01	.0247	.0225	.0284	.0258	9.16E-06	8.33E-06	9.94E-03	3UPS	3175TD	.0259
53	20.300	-1.500	1.587	3.72E+01	1.087E-01	9.878F-02	.0139	.0126	.0160	.0145	5.15E-06	4.69E-06	5.59E-03	3UPS	3175TD	.0146
54	20.300	-2.778	.476	5.49E+02	1.599E+00	1.454E+00	.2050	.1865	.2354	.2141	7.59E-05	6.90E-05	8.23E-02	3UPS	3175TD	.2145
55	20.300	-2.778	.714	1.93E+02	5.633E-01	5.122E-01	.0722	.0656	.0829	.0754	2.67E-05	2.43E-05	2.90E-02	3UPS	3175TD	.0755
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	4.57E+01	1.336E-01	1.214E-01	.0171	.0155	.0197	.0179	6.33E-06	5.76E-06	6.87E-03	3UPS	3175TD	.0179
58	20.300	-2.778	1.587	1.75E+01	5.117E-02	4.652E-02	.0065	.0059	.0075	.0068	2.43E-06	2.21E-06	2.63E-03	3UPS	3175TD	.0069
59	20.330	-5.318	.476	4.08E+02	1.418E+00	1.290F+00	.1817	.1652	.2408	.1898	6.73E-05	6.12E-05	7.30E-02	3UPS	3175TD	.1902
60	20.300	-5.318	.714	1.41E+02	4.115E-01	3.742E-01	.0527	.0479	.0698	.0551	1.95E-05	1.77E-05	2.12E-02	3UPS	3175TD	.0552
61	20.330	-5.318	.953	4.37E+01	1.277E-01	1.161E-01	.0163	.0149	.0189	.0171	6.06E-06	5.51E-06	6.57E-03	3UPS	3175TD	.0171
62	20.300	-5.318	1.270	2.58E+01	7.473E-02	6.793E-02	.0096	.0087	.0110	.0100	3.54E-06	3.22E-06	3.85E-03	3UPS	3175TD	.0100
63	20.330	-5.318	1.587	1.18E+01	3.449E-02	3.135E-02	.0044	.0040	.0051	.0046	1.64E-06	1.49E-06	1.78E-03	3UPS	3175TD	.0046
64	21.600	-10.254	.476	3.02E+02	1.701E+00	1.552E+00	.2244	.2040	.2904	.2276	8.07E-05	7.33E-05	9.03E-02	3UPS	3175PE	.2270
65	21.600	-10.254	.953	1.44E+02	4.070E-01	9.722E-02	.0160	.0125	.0222	.0175	1.60E-05	1.45E-05	1.80E-02	3UPS	3175PE	.0175
66	21.600	-10.254	1.587	3.65E+01	1.089E+00	2.808E+00	.0141	.0128	.0157	.0143	5.07E-06	4.61E-06	5.68E-03	3UPS	3175PE	.0143
67	20.700	-10.254	.476	1.36E+03	3.689E+00	2.808E+00	.4532	.4122	.4547	.4133	1.47E-04	1.33E-04	1.82E-01	3UPS	3175PE	.4107
68	20.700	-10.254	.953	2.75E+02	8.051E-01	7.318E-01	.1101	.1073	.1165	.1077	3.82F-05	3.47E-05	4.75E-02	3UPS	3175PE	.1079
69	20.700	-10.254	1.587	9.20E+01	2.694E+01	2.449F-01	.0395	.0359	.0397	.0360	1.28E-05	1.16E-05	1.59E-02	3UPS	3175PE	.0350
70	34.300	-10.254	.476	1.10E+03	3.207E+00	2.916E+00	.5140	.4455	.4721	.4292	1.52E-04	1.38E-04	2.14E-01	3UPS	3175PE	.4119
71	34.300	-10.254	.953	3.25E+02	9.409E-01	8.627E-01	.1579	.1435	.1397	.1270	4.50E-05	4.09E-05	6.35E-02	3UPS	3175PE	.1219
72	34.300	-10.254	1.587	8.86E+01	2.592E-01	2.35tE-01	.0430	.0391	.0382	.0347	1.23E-05	1.12E-05	1.73E-02	3UPS	3175PE	.0333
73	40.600	-1.500	.476	1.83E+02	5.341E-01	4.857E-01	.0969	.0881	.0786	.0715	2.53E-05	2.30E-05	3.89E-02	3UPS	1587TU	.0700
74	40.600	-1.500	.953	3.64E+01	1.059E-01	9.632E-02	.0192	.0175	.0156	.0142	5.02E-06	4.57E-06	7.71E-03	3UPS	1587TU	.0139
75	40.600	-1.500	1.587	1.30E+01	4.017E-02	3.672E-02	.0073	.0066	.0059	.0054	1.91F-06	1.73F-06	2.92E-03	3UPS	1587TU	.0053
76	40.600	-5.318	.476	1.75E+02	5.100E-01	4.638E-01	.0925	.0841	.0751	.0689	2.42E-05	2.20E-05	3.71E-02	3UPS	1587TU	.0668
77	40.600	-5.318	.953	3.70ZE-02	3.367E-02	.0067	.0061	.0054	.0050	1.76E-06	1.60E-06	2.70E-03	3UPS	1587TU	.0048	
78	40.600	-5.318	1.587	1.27E+01	3.808E-04	3.534E-04	.0001	.0001	.0001	.0001	1.04E-08	1.68E-08	2.83E-05	3UPS	1587TU	.0001
79	40.600	-1.500	.476	1.32E+02	3.843E-01	3.495E-01	.0699	.0636	.0566	.0514	1.82E-05	1.66E-05	2.80E-02	40WN	1587TD	.0504
80	40.800	-1.500	.714	5.11E+01	1.488E-01	1.353E-01	.0270	.0246	.0219	.0199	7.08E-06	6.42E-06	1.09E-02	40WN	1587TD	.0195
81	40.800	-1.500	.953	2.65E+01	7.733E-02	7.032E-02	.0141	.0128	.0114	.0103	3.67E-06	3.33E-06	5.64E-03	40WN	1587TD	.0101
82	40.800	-1.500	1.270	1.46E+01	4.249E-02	3.863E-02	.0077	.0070	.0063	.0057	2.02E-06	1.83E-06	3.10E-03	40WN	1587TD	.0056
83	40.800	-1.500	1.587	1.21E+01	3.536E-02	3.215E-02	.0064	.0058	.0052	.0047	1.68E-06	1.52E-06	2.58E-03	40WN	1587TD	.0046
84	40.800	-2.778	.476	1.12E+02	3.261E-01	2.965E-01	.0593	.0539	.0488	.0436	1.55E-05	1.41E-05	2.38E-02	40WN	1587TD	.0428

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(622), G.B.JOHNSON RSI TILE GAPS, RUN(4) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
85	+0.000	-2.770	.714	3.80E+01	1.110E-01	1.008E-01	.0201	.0193	.0163	.0140	5.26E-06	4.78E-06	8.09E-03	4DWN	1587TD	.0145
86	40.000	-2.770	.953	2.35E+01	6.846E-02	6.224E-02	.0124	.0113	.0101	.0092	3.25E-06	2.95E-06	5.00E-03	4DWN	1587TD	.0090
87	40.000	-2.770	1.270	1.50E+01	4.369E-02	3.972E-02	.0079	.0072	.0064	.0058	2.07E-06	1.88E-06	3.19E-03	4DWN	1587TD	.0057
88	40.000	-2.779	1.587	1.00E+01	5.245E-02	4.769E-02	.0095	.0087	.0077	.0070	2.49E-06	2.26E-06	3.83E-03	4DWN	1587TD	.0069
89	40.000	-5.319	.476	1.29E+02	3.770E-01	3.428E-01	.0685	.0623	.0555	.0505	1.79E-05	1.63E-05	2.75E-02	4DWN	1587TD	.0495
90	40.000	-5.319	.714	3.09E+01	1.135E-01	1.032E-01	.0206	.0187	.0167	.0152	5.38E-06	4.89E-06	8.28E-03	4DWN	1587TD	.0149
91	40.000	-5.319	.953	3.42E+00	1.200E-02	1.090E-02	.0021	.0019	.0018	.0016	5.03F-07	4.56E-07	8.00E-04	4DWN	1587TD	.0016
92	40.000	-5.319	1.270	1.11F+01	3.520E-02	3.230F-02	.0062	.0057	.0053	.0048	1.52E-06	1.38E-06	2.50E-03	4DWN	1587TD	.0047
94	42.100-10.254		.476	9.55E+02	2.697E+00	2.629E+00	.5060	.4597	.4264	.3869	1.21E-04	1.10E-04	2.05E-01	4DWN	3175PE	.3830
96	42.100-10.254		1.587	2.55E+01	7.010F-02	7.096E-02	.0137	.0124	.0115	.0104	3.27E-06	2.97E-06	5.50E-03	4DWN	3175PE	.0103
97	47.100-10.254		.476	7.93E+02	2.424E+00	2.201E+00	.4496	.4080	.3569	.3239	1.02E-04	9.22E-05	1.82E-01	4DWN	3175PE	.3280
98	47.170-10.254		.953	1.89E+02	5.769E-01	5.236E-01	.1069	.0970	.0849	.0771	2.42E-05	2.19E-05	4.33E-02	4DWN	3175PE	.0763
99	47.100-10.254		1.587	5.20E+01	1.593E-01	1.446E-01	.0295	.0268	.0234	.0213	6.68E-06	6.06E-06	1.20E-02	4DWN	3175PE	.0211
100	54.000-10.254		.476	6.82E+02	2.083E+00	1.891E+00	.4171	.3787	.3066	.2783	8.73E-05	7.92E-05	1.69E-01	4DWN	3175PE	.2650
102	54.000-10.254		1.587	3.82E+01	1.169E-01	1.061E-01	.0234	.0212	.0172	.0156	4.90E-06	4.45E-06	9.50E-03	4DWN	3175PE	.0149
103	61.100 -1.508		.476	7.17E+02	2.191E+00	1.989E+00	.4626	.4198	.3225	.2927	9.18E-05	8.33E-05	1.87E-01	4DWN	3175TU	.2786
104	61.100 -1.508		.953	4.42E+02	1.351E+00	1.226E+00	.2851	.2587	.1988	.1805	5.66E-05	5.14E-05	1.15E-01	4DWN	3175TU	.1718
105	61.100 -1.508		1.587	5.08E+01	1.801E-01	1.635E-01	.0380	.0345	.0265	.0241	7.55E-06	6.85E-06	1.54E-02	4DWN	3175TU	.0229
106	61.100 -5.318		.476	2.76E+02	8.446E-01	7.666E-01	.1784	.1619	.1243	.1128	3.54E-05	3.21E-05	7.22E-02	4DWN	3175TU	.1074
107	61.100 -5.318		.953	4.89E+01	1.496E-01	1.358F-01	.0316	.0297	.0229	.0208	6.27E-06	5.69E-06	1.28E-02	4DWN	3175TU	.0198
108	61.100 -5.318		1.587	2.11E+01	6.458E-02	5.860E-02	.0136	.0123	.0095	.0086	2.70E-06	2.45E-06	5.50E-03	4DWN	3175TU	.0082

REFERANCE HEATING CURVE FOR RUN 5

H-REF W/M2-K	1.26E+01	1.27E+01	1.29E+01	1.31E+01	1.34E+01	1.33E+01	1.27E+01	1.28E+01	1.32E+01	1.32E+01	1.33E+01
H-REF W/M2-K	1.34E+01										
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01
AT X(CM)	5.79E+01										

MACH 8 V.D. TEST(822), C.B.JOHNSON RSI TILE GAPS, RUN(5) 1972 PAGE 13

TSTAG(K) = 7.9882E+02
PSTAG(N/M2)= 5.4183E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 1.0866E+07
MACH = 7.970
XNSTREF = .482
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-19 = 1.2598E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	21.600	10.254	.476	1.74E+03	4.533E+00	4.138E+00	.4151	.3788	.3688	.3285	1.89E-04	9.94E-05	1.67E-01	1UPS	1587PE	.3386
2	21.600	10.254	.953	3.64E+02	9.478E-01	8.649E-01	.0869	.0793	.0753	.0687	2.28E-05	2.00E-05	3.49E-02	1UPS	1587PE	.0691
3	21.600	10.254	1.587	7.87E+01	1.837E-01	1.677E-01	.0168	.0154	.0146	.0133	4.41E-06	4.03E-06	6.76E-03	1UPS	1587PE	.0134
4	26.700	10.254	.476	1.80E+03	4.689E+00	4.279E+00	.4777	.4359	.3725	.3399	1.13E-04	1.03E-04	1.92E-01	1UPS	1587PE	.3339
5	26.700	10.254	.953	3.52E+02	9.141E-01	8.343E-01	.0932	.0851	.0726	.0663	2.20E-05	2.00E-05	3.74E-02	1UPS	1587PE	.0651
6	26.700	10.254	1.587	9.78E+01	2.540E-01	2.318E-01	.0259	.0236	.0202	.0184	6.10E-06	5.57E-06	1.04E-02	1UPS	1587PE	.0181
7	34.300	10.254	.476	1.12E+03	2.912E+00	2.658E+00	.3364	.3071	.2313	.2111	7.00E-05	6.38E-05	1.35E-01	1UPS	1587PE	.1989
8	34.300	10.254	.953	1.80E+02	4.685E-01	4.276E-01	.0541	.0494	.0372	.0340	1.13E-05	1.03E-05	2.17E-02	1UPS	1587PE	.0320
9	34.300	10.254	1.587	4.68E+01	1.216E-01	1.110E-01	.0141	.0128	.0097	.0088	2.92E-06	2.67E-06	5.64E-03	1UPS	1587PF	.0083
10	21.600	.238	.476	4.08E+02	1.037E+00	9.468E-01	.0952	.0869	.0824	.0752	2.49E-05	2.27E-05	3.82E-02	1UPS	4762PC	.0757
11	21.600	.238	.953	8.19E+01	2.128E-01	1.942E-01	.0195	.0178	.0169	.0154	5.11E-06	4.67E-06	7.83E-03	1UPS	4762PC	.0155
12	21.600	.238	1.587	1.64E+02	4.263E-01	3.891E-01	.0391	.0357	.0339	.0309	1.02E-05	9.35E-06	1.57E-02	1UPS	4762PC	.0311
13	26.700	.238	.476	1.55E+03	4.014E+00	3.665E+00	.4182	.3745	.3188	.2911	9.64E-05	8.80E-05	1.64E-01	1UPS	4762PC	.2859
14	26.700	.238	.953	3.44E+02	8.933E-01	8.155E-01	.0913	.0833	.0778	.0648	2.15E-05	1.96E-05	3.66E-02	1UPS	4762PC	.0636
15	26.700	.238	1.587	1.09E+02	2.839E-01	2.592E-01	.0290	.0265	.0226	.0206	6.82E-06	6.23E-06	1.16E-02	1UPS	4762PC	.0202
16	34.300	.238	.476	2.59E+03	6.743E+00	6.153E+00	.7703	.7102	.5356	.4887	1.62E-04	1.48E-04	3.13E-01	1UPS	4762PC	.4606
17	34.300	.238	.953													
18	34.300	.238	1.587	6.97E+01	1.813E-01	1.654E-01	.0209	.0191	.0144	.0131	4.35E-06	3.97E-06	8.41E-03	1UPS	4762PC	.0124
19	22.900	5.318	0.000	5.30E+03	1.380E+01	1.259E+01	1.3004	1.1866	1.0958	.9999	3.31E-04	3.02E-04	5.23E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	5.37E+03	1.396E+01	1.274E+01	1.3072	1.2659	1.1091	1.0121	3.35E-04	3.06E-04	5.57E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	5.43E+03	1.412E+01	1.289E+01	1.4788	1.3422	1.1218	1.0237	3.39E-04	3.10E-04	5.91E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	5.50E+03	1.432E+01	1.307E+01	1.5740	1.4363	1.1377	1.0382	3.44E-04	3.14E-04	6.33E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	5.52E+03	1.464E+01	1.336E+01	1.6881	1.5402	1.1631	1.0612	3.52E-04	3.21E-04	6.79E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	5.57E+03	1.455E+01	1.327E+01	1.7510	1.5972	1.1559	1.0544	3.50E-04	3.19E-04	7.06E-01	1UPS	TILTOP	
25	42.100	10.254	.476	1.67E+03	4.342E+00	3.962E+00	.5554	.5069	.3449	.3147	1.04E-04	9.52E-05	2.23E-01	2DWN	1587PE	.3090
26	42.100	10.254	.953	3.18E+02	8.256E-01	7.535E-01	.1057	.0965	.0656	.0599	1.98E-05	1.81E-05	4.24E-02	2DWN	1587PE	.0588
27	42.100	10.254	1.587	5.55E+01	3.692E-01	2.908E-01	.0200	.0157	.0293	.0231	8.87E-06	6.99E-06	1.98E-02	2DWN	1587PE	.0227
28	47.100	10.254	.476	9.76E+02	2.531E+00	2.315E+00	.3435	.3135	.2015	.1839	6.09E-05	5.56E-05	1.38E-01	2DWN	1587PE	.1787
29	47.100	10.254	.953	1.92E+02	4.996E-01	4.560E-01	.0677	.0618	.0397	.0362	1.20E-05	1.10E-05	2.72E-02	2DWN	1587PE	.0352
30	47.100	10.254	1.587	4.46E+01	1.160E-01	1.058E-01	.0157	.0143	.0092	.0084	2.79E-06	2.54E-06	6.38E-03	2DWN	1587PE	.0082
31	54.800	10.254	.476	1.15E+03	2.991E+00	2.729E+00	.4365	.3984	.2375	.2168	7.18E-05	6.56E-05	1.75E-01	2DWN	1587PE	.2047
32	54.800	10.254	.953	2.14E+02	5.569E-01	5.083E-01	.0813	.0742	.0442	.0404	1.34E-05	1.22E-05	3.26E-02	2DWN	1587PE	.0381
33	54.800	10.254	1.587	5.59E+01	1.454E-01	1.327E-01	.0212	.0194	.0115	.0105	3.49E-06	3.19E-06	8.52E-03	2DWN	1587PE	.0100
34	42.100	.238	.476	2.34E+03	6.084E+00	5.551E+00	.7773	.7094	.4032	.4409	1.46E-04	1.33E-04	3.13E-01	2DWN	4762PC	.4329
35	42.100	.238	.953	1.19E+03	3.092E+00	2.821E+00	.3954	.3608	.2456	.2241	7.43E-05	6.78E-05	1.59E-01	2DWN	4762PC	.2208
36	42.100	.238	1.587	4.38E+02	1.139E+00	1.039E+00	.1457	.1329	.0905	.0826	2.74E-05	2.50E-05	5.85E-02	2DWN	4762PC	.0811
37	47.100	.238	.476	2.69E+03	7.027E+00	6.410E+00	.9480	.8648	.5582	.5092	1.69E-04	1.54E-04	3.62E-01	2DWN	4762PC	.4946
38	47.100	.238	.953	1.43E+03	3.724E+00	3.398E+00	.5038	.4589	.2958	.2699	8.95E-05	8.16E-05	2.02E-01	2DWN	4762PC	.2622

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(5) 1972 PAGE 14

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
39	47.100	.238	1.587	6.42E+02	1.671E+00	1.525E+00	.2259	.2061	.1327	.1211	4.01E-05	3.66E-05	9.08E-02	2DWN	4762PC	.1177
40	54.800	.238	.476	1.58E+03	4.101E+00	3.743E+00	.5989	.5466	.3258	.2973	9.85E-05	8.99E-05	2.40E-01	2DWN	4762PC	.2888
41	54.800	.238	.953	7.78E+02	2.018E+00	1.842E+00	.2948	.2690	.1603	.1463	4.85E-05	4.43E-05	1.18E-01	2DWN	4762PC	.1382
42	54.800	.238	1.587	3.16E+02	8.202E-01	7.486E-01	.1198	.1093	.0651	.0595	1.97E-05	1.80E-05	4.81E-02	2DWN	4762PC	.0562
43	43.300	5.318	0.000	5.33E+03	1.393E+01	1.270E+01	1.7989	1.6407	1.1063	1.0090	3.35E-04	3.05E-04	7.26E-01	2DWN	TILTOP	
44	45.900	5.318	0.000	5.35E+03	1.399E+01	1.276E+01	1.8605	1.6969	1.1113	1.0136	3.36E-04	3.07E-04	7.51E-01	2DWN	TILTOP	
45	48.400	5.318	0.000	5.52E+03	1.445E+01	1.317E+01	1.9725	1.7990	1.1474	1.0464	3.47E-04	3.16E-04	7.96E-01	2DWN	TILTOP	
46	51.600	5.318	0.000	5.53E+03	1.446E+01	1.319E+01	2.0397	1.8604	1.1485	1.0475	3.47E-04	3.17E-04	8.23E-01	2DWN	TILTOP	
47	54.800	5.318	0.000	5.60E+03	1.461E+01	1.333E+01	2.1258	1.9391	1.1607	1.0588	3.51E-04	3.20E-04	8.57E-01	2DWN	TILTOP	
48	57.900	5.318	0.000	5.62E+03	1.467E+01	1.338E+01	2.1937	2.0011	1.1651	1.0628	3.52E-04	3.21E-04	8.84E-01	2DWN	TILTOP	
49	20.300	-1.508	.476	2.45E+03	6.374E+00	5.818E+00	.5668	.5173	.5063	.4621	1.53E-04	1.40E-04	2.27E-01	3UPS	3175TD	.4679
50	20.300	-1.508	.714	1.04E+03	2.703E+00	2.467E+00	.2404	.2194	.2147	.1959	6.49E-05	5.93E-05	9.64E-02	3UPS	3175TD	.1984
51	20.300	-1.508	.953	4.97E+02	1.291E+00	1.178E+00	.1148	.1048	.1025	.0936	3.10E-05	2.83E-05	4.61E-02	3UPS	3175TD	.0948
52	20.300	-1.508	1.270	3.04E+02	7.892E-01	7.203E-01	.0702	.0641	.0627	.0572	1.90E-05	1.73E-05	2.82E-02	3UPS	3175TD	.0579
53	20.300	-1.508	1.587	1.54E+02	3.991E-01	3.642E-01	.0355	.0324	.0317	.0289	9.59E-06	8.75E-06	1.42E-02	3UPS	3175TD	.0293
54	20.300	-2.778	.476	1.36E+03	3.544E+00	3.234E+00	.3151	.2876	.2815	.2569	8.51E-05	7.77E-05	1.26E-01	3UPS	3175TD	.2601
55	20.300	-2.778	.714	5.47E+02	1.421E+00	1.297E+00	.1264	.1154	.1129	.1031	3.41E-05	3.12E-05	5.07E-02	3UPS	3175TD	.1043
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	1.04E+02	2.694E-01	2.459E-01	.0240	.0219	.0214	.0195	6.47E-06	5.91E-06	9.61E-03	3UPS	3175TD	.0198
58	20.300	-2.778	1.587	6.39E+01	1.660E-01	1.515E-01	.0148	.0135	.0132	.0120	3.99E-06	3.64E-06	5.92E-03	3UPS	3175TD	.0122
59	20.300	-5.318	.476	9.84E+02	2.558E+00	2.334E+00	.2273	.2075	.2031	.1854	6.14E-05	5.61E-05	9.13E-02	3UPS	3175TD	.1877
60	20.300	-5.318	.714	2.29E+02	5.951E-01	5.431E-01	.0529	.0483	.0473	.0431	1.43E-05	1.30E-05	2.12E-02	3UPS	3175TD	.0437
61	20.300	-5.318	.953	8.61E+01	1.719E-01	1.569E-01	.0153	.0140	.0137	.0125	4.13E-06	3.77E-06	6.13E-03	3UPS	3175TD	.0126
62	20.300	-5.318	1.270	2.61E+01	6.775E-02	6.184E-02	.0060	.0055	.0054	.0049	1.63E-06	1.49E-06	2.42E-03	3UPS	3175TD	.0050
63	20.300	-5.318	1.587	2.99E+01	7.766E-02	7.087E-02	.0069	.0063	.0062	.0056	1.87E-06	1.70E-06	2.77E-03	3UPS	3175TD	.0057
64	21.600	-10.254	.476	1.19E+03	3.108E+00	2.836E+00	.2646	.2597	.2468	.2253	7.47E-05	6.81E-05	1.14E-01	3UPS	3175PE	.2266
65	21.600	-10.254	.953	1.35E+02	3.493E-01	4.639E-01	.0466	.0425	.0404	.0368	1.22E-05	1.11E-05	1.87E-02	3UPS	3175PE	.0371
66	21.600	-10.254	1.587	7.96E+01	1.550F-01	1.414F-01	.0142	.0130	.0123	.0112	3.72E-06	3.40E-06	5.70E-03	3UPS	3175PE	.0113
67	26.700	-10.254	.476	3.29E+03	9.566E+00	7.815E+00	.8711	.7948	.6804	.6208	2.05E-04	1.88E-04	3.51E-01	3UPS	3175PE	.6097
68	26.700	-10.254	.953	9.67E+02	2.516E+00	2.296E+00	.2562	.2338	.1999	.1824	6.05E-05	5.52E-05	1.03E-01	3UPS	3175PE	.1792
69	26.700	-10.254	1.587	3.67E+02	9.286F-01	8.474E-01	.0946	.0863	.0738	.0673	2.23E-05	2.04E-05	3.80E-02	3UPS	3175PE	.0661
70	34.300	-10.254	.476	4.83E+03	1.263E+01	1.152E+01	1.4514	1.3236	1.0036	.9152	3.04E-04	2.77E-04	5.86E-01	3UPS	3175PE	.8625
71	34.300	-10.254	.953	2.80E+03	7.309E+00	6.667E+00	.8409	.7671	.5805	.5295	1.76E-04	1.60E-04	3.39E-01	3UPS	3175PE	.4990
72	34.300	-10.254	1.587	1.14E+03	2.978E+00	2.717E+00	.3431	.3130	.2365	.2158	7.15E-05	6.53E-05	1.38E-01	3UPS	3175PE	.2033
73	40.800	-1.508	.476	3.65E+02	9.510E-01	8.679E-01	.1194	.1090	.0756	.0689	2.28E-05	2.08E-05	4.80E-02	3UPS	1587TU	.0669
74	40.800	-1.508	.953	6.92E+01	1.799E-01	1.642E-01	.0226	.0206	.0143	.0130	4.32E-06	3.94E-06	9.08E-03	3UPS	1587TU	.0127
75	40.800	-1.508	1.587	4.48E+01	1.166E-01	1.064E-01	.0146	.0134	.0093	.0084	2.80E-06	2.56E-06	5.86E-03	3UPS	1587TU	.0082
76	40.800	-5.318	.476	3.24E+02	8.434E-01	7.697E-01	.1060	.0967	.0670	.0611	2.03E-05	1.85E-05	4.26E-02	3UPS	1587TU	.0593
77	40.800	-5.318	.953	2.77E+01	7.211E-02	6.581E-02	.0091	.0083	.0057	.0052	1.73E-06	1.58E-06	3.64E-03	3UPS	1587TU	.0051
78	40.800	-5.318	1.587	9.67E+00	2.514E-02	2.295E-02	.0032	.0029	.0020	.0018	6.04E-07	5.51E-07	1.27E-03	3UPS	1587TU	.0018
79	40.800	-1.508	.476	1.90E+02	4.942E-01	4.510E-01	.0623	.0568	.0393	.0358	1.19E-05	1.08E-05	2.50E-02	4DWN	1587TD	.0348
80	40.800	-1.508	.714	8.44E+01	2.195E-01	2.003E-01	.0276	.0252	.0174	.0159	5.27E-06	4.81E-06	1.11E-02	4DWN	1587TD	.0155
81	40.800	-1.508	.953	4.57E+01	1.266E-01	1.155E-01	.0160	.0146	.0101	.0092	3.04E-06	2.78E-06	6.40E-03	4DWN	1587TD	.0089
82	40.800	-1.508	1.270	2.43E+01	6.311E-02	5.760E-02	.0080	.0073	.0050	.0046	1.52E-06	1.38E-06	3.19E-03	4DWN	1587TD	.0044
83	40.800	-1.508	1.587	1.53E+01	3.972E-02	3.625E-02	.0050	.0046	.0032	.0029	9.54E-07	8.71E-07	2.01E-03	4DWN	1587TD	.0028
84	40.800	-2.778	.476	1.49E+02	3.881E-01	3.542E-01	.0489	.0446	.0308	.0281	9.32E-06	8.51E-06	1.96E-02	4DWN	1587TD	.0273

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH 8 V.D. TEST(622), C.B.JOHNSON MSI TILE GAPS, RUN(5) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
85	40.000	-2.778	.714	7.29E+01	1.09E-01	1.72E-01	.0239	.0218	.0151	.0137	4.55E-06	4.15E-06	9.59E-03	4DWN	1587TD	.0134
86	40.000	-2.778	.953	1.73E+01	4.50E-02	4.11E-02	.0057	.0052	.0038	.0033	1.00E-06	9.06E-07	2.20E-03	4DWN	1587TD	.0032
87	40.000	-2.778	1.270	1.36E+01	3.53E-02	3.22E-02	.0045	.0041	.0028	.0026	8.50E-07	7.76E-07	1.79E-03	4DWN	1587TD	.0025
88	40.000	-2.778	1.587	2.16E+01	5.61E-02	5.12E-02	.0071	.0065	.0045	.0041	1.35E-06	1.23E-06	2.84E-03	4DWN	1587TD	.0040
89	40.000	-5.318	.476	1.54E+02	4.01E-01	3.66E-01	.0505	.0461	.0318	.0291	9.63E-06	8.79E-06	2.03E-02	4DWN	1587TD	.0283
90	40.000	-5.318	.714	3.45E+01	8.96E-02	8.17E-02	.0113	.0103	.0071	.0065	2.15E-06	1.96E-06	4.53E-03	4DWN	1587TD	.0063
91	40.000	-5.318	.953	2.37E+01	6.80E-02	6.19E-02	.0089	.0081	.0054	.0049	1.61E-06	1.46E-06	3.50E-03	4DWN	1587TD	.0048
92	40.000	-5.318	1.270	1.33E+00	3.80E-03	3.55E-03	.0005	.0005	.0003	.0003	9.00E-08	8.10E-08	2.00E-04	4DWN	1587TD	.0003
93	40.000	-5.318	1.587	6.71E+00	1.92E-02	1.75E-02	.0025	.0023	.0015	.0014	4.54E-07	4.13E-07	1.03E-03	4DWN	1587TD	.0014
94	42.100	-10.254	.476	2.03E+03	6.14E+00	7.40E+00	1.0833	.9857	.6468	.5885	1.92E-04	1.75E-04	4.30E-01	4DWN	3175PE	.5778
96	42.100	-10.254	1.587	4.84E+02	1.39E+00	1.26E+00	.1853	.1686	.1106	.1007	3.29E-05	2.99E-05	7.36E-02	4DWN	3175PE	.0988
97	47.100	-10.254	.476	1.45E+03	4.15E+00	3.77E+00	.5859	.5333	.3296	.3001	9.80E-05	8.92E-05	2.32E-01	4DWN	3175PE	.2915
98	47.100	-10.254	.953	6.66E+02	1.73E+00	1.50E+00	.2451	.2231	.1389	.1256	4.10E-05	3.73E-05	9.70E-02	4DWN	3175PE	.1220
99	47.100	-10.254	1.587	1.96E+02	5.62E-01	5.11E-01	.0993	.0721	.0447	.0407	1.33E-05	1.21E-05	3.14E-02	4DWN	3175PE	.0395
100	54.000	-10.254	.476	1.59E+03	4.53E+00	4.13E+00	.6913	.6294	.3604	.3281	1.07E-04	9.76E-05	2.73E-01	4DWN	3175PE	.3099
102	54.000	-10.254	1.587	1.70E+02	4.67E-01	4.43E-01	.0741	.0675	.0387	.0352	1.15E-05	1.05E-05	2.94E-02	4DWN	3175PE	.0333
103	61.100	-1.508	.476	0.00E+00	2.52E+00	2.29E+00	.4053	.3689	.2002	.1822	5.91E-05	5.42E-05	1.60E-01	4DWN	3175TU	.1788
104	61.100	-1.508	.953	4.76E+02	1.35E+00	1.24E+00	.2194	.1997	.1084	.0987	3.22E-05	2.94E-05	8.69E-02	4DWN	3175TU	.0925
105	61.100	-1.508	1.587	1.45E+02	4.14E-01	3.77E-01	.0666	.0606	.0330	.0300	9.80E-06	8.92E-06	2.64E-02	4DWN	3175TU	.0281
106	61.100	-5.318	.476	4.79E+02	1.37E+00	1.24E+00	.2207	.2009	.1090	.0992	3.24E-05	2.95E-05	8.73E-02	4DWN	3175TU	.0930
107	61.100	-5.318	.953	6.90E+01	2.00E-01	1.82E-01	.0321	.0293	.0159	.0145	4.72E-06	4.30E-06	1.27E-02	4DWN	3175TU	.0136
108	61.100	-5.318	1.587	2.72E+01	7.81E-02	7.11E-02	.0125	.0114	.0062	.0056	1.85E-06	1.68E-06	5.00E-03	4DWN	3175TU	.0053

REFERANCE HEATING CURVE FOR RUN 6
M-REF W/M2-K 2.07E+01 2.06E+01 2.09E+01 2.11E+01 2.13E+01 2.12E+01 2.06E+01 2.08E+01 2.16E+01 2.14E+01 2.16E+01
M-REF M/M2-K 2.10E+01
AT XICM) 2.29E+01 2.54E+01 2.79E+01 3.11E+01 3.43E+01 3.78E+01 4.33E+01 4.59E+01 4.84E+01 5.16E+01 5.48E+01
AT XICM) 5.79E+01

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(..

TSTAG(K) = 7.9[illegible]
PSTAG(N/M2)=
Q CODE = 4
DEG OF FIT = 1
RE/METER = 1.9357E+07
MACH = 8.000
XNSTREF = .399
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
H1 IS FOR TC-19 = 4.0560E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
1	21.600	10.254	.476	2.93E+03	7.595E+00	6.933E+00	.5299	.4837	.1873	.1709	1.03E-04	9.44E-05	2.11E-01	1UPS	1587PE	.3345
2	21.600	10.254	.953	5.76E+02	1.492E+00	1.363E+00	.1043	.0952	.0368	.0336	2.03E-05	1.86E-05	4.15E-02	1UPS	1587PE	.0657
3	21.600	10.254	1.587	1.70E+02	4.404E-01	4.021E-01	.0308	.0281	.0109	.0099	6.00E-06	5.47E-06	1.23E-02	1UPS	1587PF	.0194
4	26.700	10.254	.476	5.47E+03	1.420E+01	1.296E+01	1.1011	1.0051	.3502	.3196	1.93E-04	1.77E-04	4.40E-01	1UPS	1587PE	.6252
5	26.700	10.254	.953	1.54E+03	3.989E+00	3.642F+00	.3097	.2828	.0983	.0898	5.43E-05	4.96C-05	1.23E-01	1UPS	1587PE	.1756
6	26.700	10.254	1.587	3.89E+02	1.009E+00	9.215E-01	.6784	.0716	.0249	.0227	1.37E-05	1.25E-05	3.12E-02	1UPS	1587PE	.0444
7	34.300	10.254	.476	2.55E+03	6.595E+00	6.022F+00	.5812	.5308	.1626	.1485	8.98F-05	8.20E-05	2.31E-01	1UPS	1587PE	.2819
8	34.300	10.254	.953	6.50E+02	1.683E+00	1.537E+00	.1484	.1355	.0415	.0379	2.29E-05	2.09E-05	5.90E-02	1UPS	1587PE	.0719
9	34.300	10.254	1.587	1.82E+02	4.711E-01	4.302E-01	.0415	.0379	.0116	.0106	6.41E-06	5.86E-06	1.65E-02	1UPS	1587PE	.0201
10	21.600	.238	.476	7.54E+02	1.947E+00	1.779E+00	.1365	.1247	.0480	.0439	2.65E-05	2.42E-05	5.42E-02	1UPS	4762PC	.0858
11	21.600	.238	.953													
12	21.600	.238	1.587	2.89F+02	7.467E-01	6.821F-01	.0523	.0478	.0184	.0168	1.02F-05	9.29E-06	2.08E-02	1UPS	4762PC	.0329
13	26.700	.238	.476	4.26E+03	1.097E+01	1.002F+01	.8564	.7824	.2705	.2472	1.49F-04	1.36F-04	3.40E-01	1UPS	4762PC	.4835
14	26.700	.238	.953	1.33E+03	3.417E+00	3.122E+00	.2666	.2438	.0842	.0770	4.65E-05	4.25E-05	1.06E-01	1UPS	4762PC	.1506
15	26.700	.238	1.587	2.73E+02	7.038E-01	6.429E-01	.0549	.0502	.0174	.0159	9.58E-06	8.75E-06	2.18E-02	1UPS	4762PC	.0310
16	34.300	.238	.476	5.69E+03	1.528E+01	1.395F+01	1.3449	1.2279	.3768	.3440	2.08E-04	1.90E-04	5.36E-01	1UPS	4762PC	.6531
17	34.300	.238	.953	2.06E+01	9.871E-02	8.275E-02	.0050	.0042	.0024	.0020	1.34E-06	1.13F-06	3.46E-03	1UPS	4762PC	.0039
18	34.300	.238	1.587	6.14E+02	1.599E+00	1.459E+00	.1403	.1280	.0394	.0360	2.18E-05	1.99E-05	5.61E-02	1UPS	4762PC	.0683
19	22.900	5.318	0.000	8.74E+03	2.266E+01	2.068F+01	1.8290	1.6873	.5586	.5100	3.08E-04	2.82E-04	6.49E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	8.71E+03	2.256E+01	2.060E+01	1.7099	1.5613	.5561	.5078	3.07E-04	2.80E-04	6.81E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	8.92E+03	2.285E+01	2.087E+01	1.8155	1.6577	.5635	.5145	3.11E-04	2.84E-04	7.23E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	8.92E+03	2.313E+01	2.111E+01	1.9395	1.7699	.5702	.5205	3.15E-04	2.87E-04	7.72E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	9.02E+03	2.340E+01	2.137E+01	2.0578	1.8785	.5770	.5268	3.19E-04	2.91E-04	8.21E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	8.91E+03	2.320E+01	2.117F+01	2.1277	1.9418	.5720	.5220	3.16E-04	2.88E-04	8.51E-01	1UPS	TILTOP	
25	42.100	10.254	.476	3.86E+03	9.864E+00	9.006E+00	.9617	.8780	.2432	.2220	1.34E-04	1.23E-04	3.83E-01	2DWN	1587PE	.4347
26	42.100	10.254	.953	1.08E+03	2.800E+00	2.556E+00	.2733	.2496	.0690	.0630	3.81E-05	3.48E-05	1.09E-01	2DWN	1587PE	.1234
27	42.100	10.254	1.587													
28	47.100	10.254	.476	3.40E+03	8.799E+00	8.035F+00	.9082	.8292	.2169	.1981	1.20E-04	1.09E-04	3.62E-01	2DWN	1587PE	.3792
29	47.100	10.254	.953	1.11E+03	2.885E+00	2.633E+00	.2980	.2721	.0711	.0650	3.93E-05	3.59E-05	1.19E-01	2DWN	1587PE	.1244
30	47.100	10.254	1.587	2.82E+02	7.289E-01	6.656E-01	.0753	.0687	.0180	.0164	9.92E-06	9.06E-06	3.00E-02	2DWN	1587PE	.0314
31	54.800	10.254	.476	2.93E+03	7.607E+00	6.945F+00	.8460	.7724	.1875	.1712	1.04E-04	9.45E-05	3.37E-01	2DWN	1587PE	.3213
32	54.800	10.254	.953	8.45E+02	2.190E+00	1.999E+00	.2438	.2226	.0540	.0493	2.98E-05	2.72E-05	9.71E-02	2DWN	1587PE	.0925
33	54.800	10.254	1.587	1.67E+02	4.348E-01	4.426F-01	.0540	.0493	.0120	.0109	6.60E-06	6.03E-06	2.15E-02	2DWN	1587PF	.0205
34	42.100	.238	.476	5.07E+03	1.315E+01	1.200E+01	1.2813	1.1697	.3241	.2959	1.79E-04	1.63E-04	5.11E-01	2DWN	4762PC	.5793
35	42.100	.238	.953	3.17E+03	8.209E+00	7.496E+00	.8009	.7312	.2024	.1848	1.12E-04	1.02E-04	3.19E-01	2DWN	4762PC	.3618
36	42.100	.238	1.587	1.55E+03	4.013E+00	3.664E+00	.3914	.3573	.0989	.0903	5.46E-05	4.99E-05	1.56E-01	2DWN	4762PC	.1769
37	47.100	.238	.476	4.69E+03	1.218E+01	1.112E+01	1.2538	1.1444	.3002	.2741	1.66E-04	1.51E-04	5.01E-01	2DWN	4762PC	.5247
38	47.100	.238	.953	3.11E+03	8.067E+00	7.364E+00	.8314	.7590	.1989	.1816	1.10E-04	1.00E-04	3.32E-01	2DWN	4762PC	.3476

MACH 8 V.O. TEST(622), C.W.JOHNSON RSI TILE GAPS, RUN(8) 1972 PAGE 17

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
39	47.100	.238	1.587	1.08E+03	4.679E+00	4.272E+00	.4824	.4404	.1154	.1053	6.37E-05	5.02E-05	1.92E-01	2DWN	4762PC	.2816
40	54.000	.238	.476	2.22E+03	9.737E+00	9.240E+00	.6397	.5842	.1415	.1292	7.81E-05	7.13E-05	2.54E-01	2DWN	4762PC	.2424
41	54.000	.238	.953	1.33E+03	5.439E+00	5.141E+00	.3835	.3582	.0848	.0774	4.68E-05	4.28E-05	1.52E-01	2DWN	4762PC	.1453
42	54.000	.238	1.587	7.65E+02	1.979E+00	1.888E+00	.2286	.2015	.0488	.0446	2.69E-05	2.46E-05	8.78E-02	2DWN	4762PC	.0836
43	43.300	5.318	0.000	8.66E+03	2.257E+01	2.060E+01	2.2216	2.0278	.5565	.5078	3.07E-04	2.80E-04	9.98E-01	2DWN	TILTOP	
44	45.900	5.318	0.000	8.75E+03	2.282E+01	2.082E+01	2.3125	2.1100	.5626	.5134	3.11E-04	2.83E-04	9.26E-01	2DWN	TILTOP	
45	48.400	5.318	0.000	9.07E+03	2.365E+01	2.158E+01	2.4682	2.2447	.5838	.5328	3.22E-04	2.94E-04	9.85E-01	2DWN	TILTOP	
46	51.600	5.318	0.000	9.05E+03	2.358E+01	2.144E+01	2.5259	2.3048	.5794	.5287	3.20E-04	2.92E-04	1.01E+00	2DWN	TILTOP	
47	54.000	5.318	0.000	9.10E+03	2.369E+01	2.161E+01	2.6256	2.3961	.5840	.5329	3.22E-04	2.94E-04	1.05E+00	2DWN	TILTOP	
48	57.900	5.318	0.000	9.10E+03	2.398E+01	2.181E+01	2.7244	2.4863	.5893	.5378	3.25E-04	2.97E-04	1.09E+00	2DWN	TILTOP	
49	28.300	-1.588	.476	5.13E+03	1.327E+01	1.212E+01	.9885	.8224	.3271	.2988	1.81E-04	1.65E-04	3.58E-01	3UPS	3175TD	.5834
50	28.300	-1.588	.714	2.20E+03	5.670E+00	5.179E+00	.3852	.3519	.1398	.1277	7.72E-05	7.05E-05	1.53E-01	3UPS	3175TD	.2494
51	28.300	-1.588	.953	1.24E+03	3.189E+00	2.913E+00	.2167	.1979	.0786	.0718	4.34E-05	3.97E-05	3.61E-02	3UPS	3175TD	.1402
52	28.300	-1.588	1.270	1.89E+03	2.811E+00	2.568E+00	.1910	.1745	.0693	.0633	3.83E-05	3.50E-05	7.59E-02	3UPS	3175TD	.1236
53	28.300	-1.588	1.587	8.33E+02	2.153E+00	1.966E+00	.1462	.1335	.0531	.0485	2.93E-05	2.68E-05	9.81E-02	3UPS	3175TD	.0947
54	28.300	-2.778	.476	2.02E+03	7.277E+00	6.647E+00	.4942	.4514	.1794	.1639	9.91E-05	9.05E-05	1.96E-01	3UPS	3175TD	.3200
55	28.300	-2.778	.714	1.23E+03	3.167E+00	2.893E+00	.2152	.1965	.0781	.0713	4.31E-05	3.94E-05	8.55E-02	3UPS	3175TD	.1393
56	28.300	-2.778	.953													
57	28.300	-2.778	1.270	7.03E+02	1.817E+00	1.659E+00	.1233	.1126	.0448	.0409	2.47E-05	2.26E-05	4.90E-02	3UPS	3175TD	.0799
58	28.300	-2.778	1.587	4.85E+02	1.254E+00	1.145E+00	.0851	.0777	.0309	.0282	1.71E-05	1.56E-05	3.38E-02	3UPS	3175TD	.0551
59	28.300	-5.318	.476	1.73E+03	4.482E+00	4.093E+00	.3041	.2777	.1105	.1009	6.10E-05	5.57E-05	1.21E-01	3UPS	3175TD	.1970
60	28.300	-5.318	.714	4.77E+02	1.232E+00	1.126E+00	.0837	.0764	.0304	.0278	1.68E-05	1.53E-05	3.33E-02	3UPS	3175TD	.0542
61	28.300	-5.318	.953	2.16E+02	5.574E-01	5.091E-01	.0378	.0346	.0137	.0126	7.59E-06	6.93E-06	1.50E-02	3UPS	3175TD	.0245
62	28.300	-5.318	1.270	1.41E+02	3.642E-01	3.326E-01	.0247	.0226	.0090	.0082	4.96E-06	4.53E-06	9.83E-03	3UPS	3175TD	.0160
63	28.300	-5.318	1.587	1.06E+02	2.745E-01	2.507E-01	.0186	.0170	.0068	.0062	3.74E-06	3.41E-06	7.41E-03	3UPS	3175TD	.0121
64	21.600	-10.254	.476	2.13E+03	5.530E+00	5.056E+00	.3864	.3528	.1366	.1247	7.54E-05	6.88E-05	1.54E-01	3UPS	3175PE	.2439
65	21.600	-10.254	.953	3.66E+02	9.493E-01	8.679E-01	.0663	.0605	.0234	.0213	1.29E-05	1.18E-05	2.64E-02	3UPS	3175PE	.0418
66	21.600	-10.254	1.587	1.01E+02	2.625E-01	2.396E-01	.0183	.0167	.0065	.0059	3.57E-06	3.26E-06	7.31E-03	3UPS	3175PE	.0116
67	26.700	-10.254	.476	6.58E+03	1.711E+01	1.562E+01	1.3252	1.2095	.4219	.3850	2.33E-04	2.13E-04	5.39E-01	3UPS	3175PE	.7531
68	26.700	-10.254	.953	2.83E+03	7.332E+00	6.694E+00	.5698	.5195	.1808	.1650	9.98E-05	9.11E-05	2.27E-01	3UPS	3175PE	.3228
69	26.700	-10.254	1.587	7.93E+02	2.059E+00	1.879E+00	.1598	.1459	.0508	.0463	2.80E-05	2.56E-05	6.37E-02	3UPS	3175PE	.0906
70	34.300	-10.254	.476	8.74E+03	2.282E+01	2.081E+01	1.9959	1.8208	.5625	.5132	3.11E-04	2.83E-04	8.00E-01	3UPS	3175PE	.9742
71	34.300	-10.254	.953	6.36E+03	1.657E+01	1.512E+01	1.4517	1.3246	.4085	.3728	2.26E-04	2.06E-04	5.81E-01	3UPS	3175PE	.7077
72	34.300	-10.254	1.587	3.66E+03	9.565E+00	8.729E+00	.8395	.7662	.2358	.2152	1.30E-04	1.19E-04	3.36E-01	3UPS	3175PE	.4086
73	40.600	-1.588	.476	7.51E+02	1.944E+00	1.775E+00	.1864	.1702	.0479	.0438	2.64E-05	2.42E-05	7.42E-02	3UPS	1587TU	.0851
74	40.600	-1.588	.953	4.29E+02	1.111E+00	1.014E+00	.1065	.0973	.0274	.0250	1.51E-05	1.38E-05	4.24E-02	3UPS	1587TU	.0486
75	40.600	-1.588	1.587	3.15E+02	8.152E-01	7.444E-01	.0781	.0714	.0201	.0184	1.11E-05	1.01E-05	3.11E-02	3UPS	1587TU	.0357
76	40.600	-5.318	.476	5.11E+02	1.322E+00	1.207E+00	.1267	.1157	.0325	.0298	1.80E-05	1.64E-05	5.04E-02	3UPS	1587TU	.0578
77	40.600	-5.318	.953	7.11E+01	1.840E-01	1.681E-01	.0177	.0161	.0045	.0041	2.51E-06	2.29E-06	7.02E-03	3UPS	1587TU	.0081
78	40.600	-5.318	1.587	1.58E+01	3.879E-02	3.542E-02	.0037	.0034	.0010	.0009	5.28E-07	4.82E-07	1.48E-03	3UPS	1587TU	.0017
79	48.800	-1.588	.476	5.13E+02	1.326E+00	1.211E+00	.1276	.1165	.0327	.0299	1.81E-05	1.65E-05	5.07E-02	4DWN	1587TD	.0581
80	48.800	-1.588	.714	4.18E+02	1.082E+00	9.879E-01	.1040	.0950	.0267	.0244	1.47E-05	1.34E-05	4.14E-02	4DWN	1587TD	.0474
81	48.800	-1.588	.953	3.70E+02	9.566E-01	8.736E-01	.0920	.0840	.0236	.0215	1.30E-05	1.19E-05	3.66E-02	4DWN	1587TD	.0419
82	48.800	-1.588	1.270	3.47E+02	8.973E-01	8.194E-01	.0863	.0788	.0221	.0202	1.22E-05	1.12E-05	3.43E-02	4DWN	1587TD	.0393
83	48.800	-1.588	1.587	2.84E+02	7.347E-01	6.708E-01	.0706	.0645	.0181	.0165	1.00E-05	9.13E-06	2.81E-02	4DWN	1587TD	.0322
84	48.800	-2.778	.476	1.98E+02	5.113E-01	4.670E-01	.0492	.0449	.0126	.0115	6.96E-06	6.36E-06	1.96E-02	4DWN	1587TD	.0224

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(822), C.B.JOHNSON RSI TILE GAPS, RUN(8) 1972

PAGE 18

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	ML/WR	MT/HR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
85	40.000	-2.778	.714	1.20E+02	3.11E-01	2.04E-01	.0299	.0273	.0077	.0070	4.24E-06	3.07E-06	1.19E-02	4DWN	150TTD	.0136
86	40.000	-2.778	.953	8.55E+01	2.21E-01	2.02E-01	.0213	.0194	.0055	.0050	3.01E-06	2.75E-06	8.46E-03	4DWN	150TTD	.0097
87	40.000	-2.778	1.270	4.43E+01	1.14E-01	1.84E-01	.0110	.0101	.0028	.0026	1.56E-06	1.42E-06	4.38E-03	4DWN	150TTD	.0050
88	40.000	-2.778	1.587	2.06E+01	7.23E-02	6.63TE-02	.0070	.0064	.0018	.0016	9.85E-07	9.00E-07	2.77E-03	4DWN	150TTD	.0032
89	40.000	-5.318	.476	2.02E+02	5.23TE-01	4.78ZE-01	.0504	.0460	.0129	.0118	7.13E-06	6.51F-06	2.00E-02	4DWN	150TTD	.0229
9[illegible]	40.000	-5.318	.714	8.04E+01	2.20TE-01	2.09F-01	.0220	.0201	.0056	.0051	3.11E-06	2.84E-06	8.75E-03	4DWN	150TTD	.0100
91	40.000	-5.318	.953	5.00E+01	1.36[illegible]E-01	1.24[illegible]E-01	.0129	.0118	.0034	.0031	1.74E-06	1.59E-06	5.18E-03	4DWN	150TTD	.0060
92	40.000	-5.318	1.270	2.97E-01	1.60[illegible]E-03	1.50[illegible]E-03	.0002	.0001	.0000	.0000	2.00E-08	1.00E-08	1.00E-04	4DWN	150TTD	.0001
93	40.000	-5.318	1.587	1.07E+01	2.00[illegible]E-02	2.63[illegible]E-02	.0027	.0025	.0007	.0006	3.67E-07	3.34E-07	1.10E-03	4DWN	150TTD	.0013
94	42.100	-10.254	.476	6.32E+03	1.71[illegible]E+01	1.56[illegible]E+01	1.0336	1.4095	.4222	.3850	2.10E-04	1.99E-04	6.54E-01	4DWN	3175PE	.7537
96	42.100	-13.254	1.587	2.58E+03	6.99[illegible]E+00	6.37[illegible]E+00	.6682	.6094	.1724	.1572	8.90E-05	8.12E-05	2.67E-01	4DWN	3175PE	.3070
97	47.100	-10.254	.476	3.50F+03	9.45[illegible]E+00	8.61[illegible]E+00	.9566	.8727	.2329	.2124	1.20E-04	1.10F-04	3.82E-01	4DWN	3175PE	.4067
98	47.100	-10.254	.953	2.36E+03	6.32[illegible]E+00	5.77[illegible]E+00	.6410	.5847	.1560	.1423	8.05E-05	7.35E-05	2.56E-01	4DWN	3175PE	.2724
99	47.100	-10.254	1.587	1.36E+03	3.61[illegible]E+00	3.29[illegible]E+00	.3660	.3339	.0891	.0813	4.60E-05	4.20E-05	1.46E-01	4DWN	3175PE	.1556
100	54.800	-10.254	.476	1.79E+03	4.81[illegible]E+00	4.33[illegible]E+00	.5264	.4803	.1186	.1082	6.12E-05	5.59E-05	2.10E-01	4DWN	3175PE	.2031
102	54.800	-10.254	1.587	4.07E+02	1.31[illegible]E+00	1.19[illegible]E+00	.1437	.1311	.0324	.0296	1.67E-05	1.53E-05	5.72E-02	4DWN	3175PE	.0554
103	61.100	-1.588	.476	1.07E+03	2.84[illegible]E+00	2.59[illegible]E+00	.5810	.5308	.1243	.1134	6.42E-05	5.85E-05	2.32E-01	4DWN	3175TU	.2998
104	61.100	-1.588	.953	1.19E+03	3.20[illegible]E+00	2.92[illegible]E+00	.3785	.3380	.0791	.0722	4.00E-05	3.73E-05	1.41E-01	4DWN	3175TU	.1338
105	61.100	-1.588	1.587	5.06E+02	1.36[illegible]E+00	1.24[illegible]E+00	.1576	.1434	.0337	.0307	1.74E-05	1.59E-05	6.20E-02	4DWN	3175TU	.0586
106	61.100	-5.318	.476	9.99E+02	2.69[illegible]E+00	2.45[illegible]E+00	.3109	.2837	.0663	.0605	3.42E-05	3.12E-05	1.24E-01	4DWN	3175TU	.1115
107	61.100	-5.318	.953	3.50E+02	9.43[illegible]E+01	8.61[illegible]E+01	.1090	.0995	.0233	.0212	1.20E-05	1.10E-05	4.34E-02	4DWN	3175TU	.0391
108	61.100	-5.318	1.587	1.65E+02	4.57[illegible]E+01	4.16[illegible]E+01	.0527	.0481	.0113	.0103	5.02E-06	5.31E-06	2.10E-02	4DWN	3175TU	.0189

REFERANCE HEATING CURVE FOR RUN 7

M-REF W/M2-K	4.86E+01	4.81E+01	4.87E+01	4.89E+01	4.17E+01	4.15E+01	4.14E+01	4.13E+01	4.28E+01	4.23E+01	4.27E+01					
M-REF W/M2-K	4.38E+01															
AT XICM	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01					
AT XICM	5.79E+01															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH 8 V.D. TEST(622), C.9.JOHNSON RSI TILE GAPS, RUN(7) 1972 PAGE 19

TSTAG(K) = 7.7616E+02
PSTAG(N/M2)= 1.9807E+07
Q CODE = 1
DEG OF FIT = 1
RE/METER = 4.1339E+07
MACH = 8.000
XNSTREF = .400
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
PARALLEL TILE CONF.
TUNNEL WALL POSITION
H1 IS FOR TC-19 = 2.0688E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (N/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
1	21.600	10.254	.476	5.88E+03	1.611E+01	1.467E+01	.7927	.7219	7.7918	7.0962	1.06E-04	9.66E-05	3.17E-01	1UPS	1587PE	.3599
2	21.600	10.254	.953	1.44E+03	3.933F+00	3.583E+00	.1942	.1770	1.9017	1.7328	2.59E-05	2.36E-05	7.74E-02	1UPS	1587PE	.0879
3	21.600	10.254	1.587	7.92E+02	2.159E+00	1.967E+00	.1067	.4972	1.0438	.9512	1.42E-05	1.29E-05	4.25E-02	1UPS	1587PE	.0482
4	26.700	10.254	.476	1.19E+04	3.271E+01	2.978E+01	1.7846	1.624715	.816614	.3998	2.15E-04	1.96E-04	7.15E-01	1UPS	1587PE	.7370
5	26.700	10.254	.953	2.64E+03	1.270E+01	1.157E+01	.6954	.6334	6.1407	5.5934	8.36F-05	7.61E-05	2.78E-01	1UPS	1587PE	.2863
6	26.700	10.254	1.587	1.47E+03	3.996E+00	3.641E+00	.2194	.1999	1.9321	1.7605	2.63E-05	2.40E-05	8.74E-02	1UPS	1587PE	.0901
7	34.300	10.254	.476	7.93E+03	2.167E+01	1.974E+01	1.3468	1.226910	.4792	9.5468	1.43E-04	1.30E-04	5.37E-01	1UPS	1587PE	.4736
8	34.300	10.254	.953	3.65E+03	9.944E+00	9.062E+00	.6194	.5645	4.8083	4.3819	6.55E-05	5.97E-05	2.47E-01	1UPS	1587PE	.2174
9	34.300	10.254	1.587	1.35E+03	3.685E+00	3.358E+00	.2297	.2094	1.7817	1.6239	2.43E-05	2.21E-05	9.14E-02	1UPS	1587PE	.0806
10	21.600	.238	.476	1.88E+03	5.117E+00	4.665E+00	.2535	.2311	2.4744	2.2556	3.37E-05	3.07E-05	1.81E-01	1UPS	4762PC	.1144
11	21.600	.238	.953													
12	21.600	.238	1.587	6.85E+02	1.856E+00	1.693E+00	.0921	.0840	.8977	.8185	1.22E-05	1.11E-05	3.65E-02	1UPS	4762PC	.0415
13	26.700	.238	.476	9.03E+03	2.453E+01	2.236E+01	1.3513	1.231911	.862510	.8138	1.61E-04	1.47E-04	5.37E-01	1UPS	4762PC	.5534
14	26.700	.238	.953	3.93E+03	1.064E+01	9.701E+00	.5874	.5356	5.1443	4.6910	7.00E-05	6.39E-05	2.33E-01	1UPS	4762PC	.2401
15	26.700	.238	1.587	6.94E+02	1.880E+00	1.714E+00	.1038	.0947	.9091	.8291	1.24F-05	1.13E-05	4.11E-02	1UPS	4762PC	.0424
16	34.300	.238	.476	1.22E+04	3.325E+01	3.029E+01	2.0643	1.880316	.079014	.6463	2.19E-04	1.99E-04	8.24E-01	1UPS	4762PC	.7266
17	34.300	.238	.953	1.14E+03	6.430E-01	5.263E-01	.0206	.0188	.3109	.2545	4.23E-06	3.47E-06	1.59E-02	1UPS	4762PC	.0126
18	34.300	.238	1.587	2.02E+03	5.521E+00	5.029E+00	.3427	.3121	2.6696	2.4317	3.63E-05	3.31E-05	1.37E-01	1UPS	4762PC	.1206
19	22.900	5.318	0.000	1.02E+04	4.455E+01	4.056E+01	2.2504	2.048721	.542619	.6121	2.93E-04	2.67E-04	9.02E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	1.61E+04	4.406E+01	4.012E+01	2.3465	2.136521	.304719	.3984	2.90E-04	2.64E-04	9.40E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	1.63E+04	4.469E+01	4.069E+01	2.4936	2.270421	.608019	.6739	2.94E-04	2.68E-04	9.99E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	1.64E+04	4.495E+01	4.092E+01	2.6466	2.409521	.735919	.7886	2.96E-04	2.69F-04	1.05E+00	1UPS	TILTOP	
23	34.300	5.318	0.000	1.65E+04	4.540E+01	4.109E+01	2.8276	2.573722	.146120	.1579	3.02E-04	2.74E-04	1.14E+00	1UPS	TILTOP	
24	37.500	5.318	0.000	1.65E+04	4.560E+01	4.149E+01	2.9372	2.672722	.650720	.0651	3.00E-04	2.73E-04	1.18E+00	1UPS	TILTOP	
25	42.100	10.254	.476	3.74E+03	1.021E+01	9.300E+00	.7335	.6410	4.9356	4.4972	6.72E-05	6.12E-05	2.80E-01	2DWN	1587PE	.2244
26	42.100	10.254	.953	1.15E+03	3.125E+00	2.849E+00	.2159	.1960	1.5113	1.3775	2.06E-05	1.88E-05	8.58E-02	2DWN	1587PE	.0687
27	42.100	10.254	1.587													
28	47.100	10.254	.476	4.90E+03	1.335E-01	1.217E+01	.9735	.8870	6.4567	5.8831	8.79E-05	8.01E-05	3.68E-01	2DWN	1587PE	.2903
29	47.100	10.254	.953	1.55E+03	4.241E+00	3.865E+00	.3099	.2824	2.0507	1.8691	2.79E-05	2.54E-05	1.23E-01	2DWN	1587PE	.0922
30	47.100	10.254	1.587	4.96E+02	1.350E+00	1.230E+00	.0986	.0899	.6526	.5948	8.86E-06	8.10E-06	3.92E-02	2DWN	1587PE	.0294
31	54.800	10.254	.476	7.76E+03	2.124E+01	1.935E+01	1.6657	1.517110	.2724	9.3562	1.40E-04	1.27E-04	6.66E-01	2DWN	1587PE	.4536
32	54.800	10.254	.953	3.37E+03	9.193E+00	8.377E+00	.7233	.6591	4.4454	4.0507	6.05E-05	5.51E-05	2.88E-01	2DWN	1587PE	.1964
33	54.800	10.254	1.587	1.05E+03	2.853E+00	2.600E+00	.2247	.2048	1.3795	1.2572	1.88E-05	1.71E-05	8.94E-02	2DWN	1587PE	.0609
34	42.100	.238	.476	1.26E+04	3.437E+01	3.130E+01	2.3614	2.150716	.617815	.1352	2.26E-04	2.06E-04	9.44E-01	2DWN	4762PC	.7553
35	42.100	.238	.953	9.91E+03	2.707E+01	2.466E+01	1.8636	1.697813	.088611	.9248	1.78E-04	1.62E-04	7.43E-01	2DWN	4762PC	.5951
36	42.100	.238	1.587	5.64E+03	1.537E+01	1.401E+01	1.0599	.9657	7.4340	6.7738	1.01E-04	9.22E-05	4.22E-01	2DWN	4762PC	.3380
37	47.100	.238	.476	1.10E+04	3.013E+01	2.744E+01	2.1868	1.991314	.570013	.2676	1.98E-04	1.81E-04	8.75E-01	2DWN	4762PC	.6548
38	47.100	.238	.953	8.20E+03	2.242E+01	2.042E+01	1.6318	1.485718	.8396	9.8741	1.48E-04	1.34E-04	6.51E-01	2DWN	4752PC	.4873

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.O. TEST(6227, C.S.JOHNSON RSI TILE GAPS, RUN(7) 1972 PAGE 28

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
39	47.100	.238	1.587	5.28E+03	1.440E+01	1.312E+01	1.0493	.9560	6.9621	6.3433	9.68E-05	8.64E-05	4.18E-01	2DWN	4762PC	.3130
40	54.800	.238	.476	5.04E+03	1.649E+01	1.502E+01	1.2964	1.1812	7.9716	7.2634	1.09E-04	9.89E-05	5.17E-01	2DWN	4762PC	.3521
41	54.800	.238	.953	4.39E+03	1.196E+01	1.090E+01	.9416	.8581	5.7811	5.2686	7.87E-05	7.17E-05	3.75E-01	2DWN	4762PC	.2554
42	54.800	.238	1.587	2.92E+03	7.949E+00	7.245E+00	.6263	.5708	3.8440	3.5034	5.23E-05	4.77E-05	2.49E-01	2DWN	4762PC	.1698
43	43.300	5.318	0.000	1.65E+04	4.554E+01	4.143E+01	3.1447	2.866022	.020520	.0315	3.00E-04	2.73E-04	1.27E+00	2DWN	TILTOP	
44	45.900	5.318	0.000	1.64E+04	4.536E+01	4.126E+01	3.2259	2.934721	.933719	.9533	2.99E-04	2.72E-04	1.38E+00	2DWN	TILTOP	
45	48.400	5.318	0.000	1.69E+04	4.683E+01	4.259E+01	3.4173	3.108522	.643020	.5967	3.08E-04	2.80E-04	1.41E+00	2DWN	TILTOP	
46	51.600	5.318	0.000	1.68E+04	4.646E+01	4.226E+01	3.5013	3.185022	.465120	.4353	3.06E-04	2.78E-04	1.41E+00	2DWN	TILTOP	
47	54.800	5.318	0.000	1.70E+04	4.689E+01	4.266E+01	3.6446	3.315722	.673320	.6268	3.09E-04	2.81E-04	1.47E+00	2DWN	TILTOP	
48	57.900	5.318	0.000	1.71E+04	4.727E+01	4.301E+01	3.7785	3.437622	.859020	.7973	3.11E-04	2.83E-04	1.52E+00	2DWN	TILTOP	
49	20.300	-1.508	.476	1.13E+04	3.085E+01	2.811E+01	1.4756	1.344414	.918913	.5922	2.03E-04	1.85E-04	5.88E-01	3UPS	3175TD	.6855
50	20.300	-1.508	.714	9.58E+03	1.519E+01	1.384E+01	.7285	.6639	7.3436	6.6933	1.00E-04	9.11E-05	2.90E-01	3UPS	3175TD	.3376
51	20.300	-1.508	.953	3.83E+03	1.041E+01	9.488E+00	.4999	.4557	5.0333	4.5882	6.85E-05	6.25E-05	1.99E-01	3UPS	3175TD	.2314
52	20.300	-1.508	1.270	3.24E+03	8.793E+00	8.016E+00	.4225	.3852	4.2518	3.8761	5.79E-05	5.28E-05	1.68E-01	3UPS	3175TD	.1955
53	20.300	-1.508	1.587	2.71E+03	7.355E+00	6.704E+00	.3533	.3221	3.5563	3.2420	4.84E-05	4.41E-05	1.40E-01	3UPS	3175TD	.1635
54	20.300	-2.778	.476	6.28E+03	1.708E+01	1.557E+01	.8192	.7466	8.2591	7.5275	1.12E-04	1.02E-04	3.26E-01	3UPS	3175TD	.3797
55	20.300	-2.778	.714	3.37E+03	9.153E+00	8.344E+00	.4396	.4007	4.4262	4.0348	6.03E-05	5.49E-05	1.75E-01	3UPS	3175TD	.2035
56	20.300	-2.778	.953													
57	20.300	-2.778	.270	2.74E+03	7.433E+00	6.775E+00	.3570	.3254	3.5941	3.2763	4.89E-05	4.46E-05	1.42E-01	3UPS	3175TD	.1652
58	20.300	-2.778	.587	2.05E+03	5.564E+00	5.072E+00	.2672	.2436	2.6906	2.4527	3.66E-05	3.34E-05	1.06E-01	3UPS	3175TD	.1237
59	20.300	-5.318	.476	3.81E+03	1.036E+01	9.445E+00	.4968	.4528	5.0113	4.5671	6.82E-05	6.22E-05	1.98E-01	3UPS	3175TD	.2303
60	20.300	-5.318	.714	1.29E+03	3.518E+00	3.207E+00	.1689	.1540	1.7010	1.5506	2.32E-05	2.11E-05	6.71E-02	3UPS	3175TD	.0782
61	20.300	-5.318	.953	8.06E+02	2.198E+00	1.995E+00	.1051	.0958	1.0582	.9647	1.44E-05	1.31E-05	4.17E-02	3UPS	3175TD	.0487
62	20.300	-5.318	1.270	7.50E+02	2.038E+00	1.858E+00	.0979	.0892	.9856	.8984	1.34E-05	1.22E-05	3.89E-02	3UPS	3175TD	.0453
63	20.300	-5.318	1.587	7.12E+02	1.936E+00	1.764E+00	.0929	.0847	.9360	.8532	1.27E-05	1.16E-05	3.69E-02	3UPS	3175TD	.0430
64	21.600	-10.254	.476	4.39E+03	1.202E+01	1.095E+01	.5911	.5383	5.8133	5.2939	7.91E-05	7.21E-05	2.37E-01	3UPS	3175PE	.2685
65	21.600	-10.254	.953	1.00E+03	2.728E+00	2.486E+00	.1340	.1220	1.3190	1.2020	1.80F-05	1.64E-05	5.37E-02	3UPS	3175PE	.0610
66	21.600	-10.254	1.587	4.08E+02	1.111E+00	1.013E+00	.0549	.0500	.5374	.4897	7.32E-06	6.67E-06	2.19E-02	3UPS	3175PE	.0248
67	26.700	-10.254	.476	1.21E+04	3.323E+01	3.025E+01	1.8098	1.647316	.089314	.6263	2.19E-04	1.99E-04	7.27E-01	3UPS	3175PE	.7485
68	26.700	-10.254	.953	5.83E+03	1.597E+01	1.454E+01	.8732	.7952	7.7202	7.0309	1.05E-04	9.57E-05	3.49E-01	3UPS	3175PE	.3598
69	26.700	-10.254	1.587	1.84E+03	5.029E+00	4.581E+00	.2756	.2510	2.4319	2.2152	3.31E-05	3.02E-05	1.10E-01	3UPS	3175PE	.1134
70	34.300	-10.254	.476	1.63E+04	4.510E+01	4.104E+01	2.7752	2.524921	.810619	.8434	2.97E-04	2.70E-04	1.12E+00	3UPS	3175PE	.9844
71	34.300	-10.254	.953	1.23E+04	3.377E+01	3.074E+01	2.0847	1.897616	.328914	.8628	2.22E-04	2.02E-04	8.37E-01	3UPS	3175PE	.7373
72	34.300	-10.254	1.587	7.20E+03	1.973E+01	1.797E+01	1.2224	1.1131	9.5419	8.6888	1.30E-04	1.18E-04	4.89E-01	3UPS	3175PE	.4310
73	40.600	-1.508	.476	1.59E+04	4.324E+00	3.940E+00	.2931	.2671	2.0908	1.9054	2.85E-05	2.59E-05	1.17E-01	3UPS	1587TU	.0950
74	40.600	-1.508	.953	1.23E+04	3.348E+00	3.051E+00	.2272	.2071	1.6188	1.4756	2.20E-05	2.01E-05	9.03E-02	3UPS	1587TU	.0736
75	40.600	-1.508	1.587	1.54E+03	4.184E+00	3.813E+00	.2839	.2588	2.0231	1.8440	2.75E-05	2.51E-05	1.13E-01	3UPS	1587TU	.0920
76	40.600	-5.318	.476	1.05E+03	2.852E+00	2.600E+00	.1935	.1764	1.3792	1.2570	1.88E-05	1.71E-05	7.69E-02	3UPS	1587TU	.0627
77	40.600	-5.318	.953	2.16E+02	5.864E-01	5.346E-01	.0398	.0363	.2836	.2585	3.86E-06	3.52E-06	1.58E-02	3UPS	1587TU	.0129
78	40.600	-5.318	1.587	8.24E+01	2.242E-01	2.044E-01	.0152	.0139	.1084	.0988	1.48E-06	1.35E-06	6.05E-03	3UPS	1587TU	.0049
79	40.800	-1.508	.476	1.26E+03	3.419E+00	3.117E+00	.2326	.2120	1.6535	1.5071	2.25E-05	2.05E-05	9.25E-02	4DWN	1587TD	.0752
80	40.800	-1.508	.714	1.16E+03	3.166E+00	2.886E+00	.2155	.1964	1.5311	1.3956	2.08E-05	1.90E-05	8.56E-02	4DWN	1587TD	.0696
81	40.800	-1.508	.953	1.22E+03	3.324E+00	3.030E+00	.2263	.2062	1.6073	1.4652	2.19E-05	1.99E-05	8.99E-02	4DWN	1587TD	.0731
82	40.800	-1.508	1.270	1.06E+03	2.970E+00	2.709E+00	.2702	.2463	1.9198	1.7499	2.61E-05	2.38E-05	1.07E-01	4DWN	1587TD	.0873
83	40.800	-1.508	1.587	1.09E+03	4.845E+00	3.687E+00	.2751	.2508	1.9560	1.7828	2.66E-05	2.43E-05	1.09E-01	4DWN	1587TD	.0889
84	40.800	-2.778	.476	9.65E+02	2.350E+00	2.142E+00	.1600	.1458	1.1364	1.0359	1.55E-05	1.41E-05	6.35E-02	4DWN	1587TD	.0517

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(822), C.B.JOHNSON RSI TILE GAPS, RUNG 7) 1978

PAGE 21

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
85	40.000	-2.778	.714	7.70E+02	2.091E+00	1.90EE+00	.1424	.1290	1.0110	.9216	1.38E-05	1.25E-05	5.65E-02	40MM	150TTD	.0468
86	40.000	-2.778	.953	7.02E+02	1.907E+00	1.730E+00	.1298	.1113	.9220	.8405	1.22E-05	2.14E-05	5.16E-02	40MM	150TTD	.0419
87	40.000	-2.778	1.270	5.33E+02	1.448E+00	1.320E+00	.0985	.0898	.7001	.6381	9.57E-06	2.69E-05	3.91E-02	40MM	150TTD	.0318
88	40.000	-2.778	1.587	3.71E+02	1.008E+00	9.185E-01	.0686	.0625	.4873	.4442	6.63E-06	1.05E-05	2.72E-02	40MM	150TTD	.0222
89	40.000	-5.318	.476	4.69E+02	1.275E+00	1.162E+00	.0868	.0791	.6166	.5621	8.39E-06	7.65E-06	3.45E-02	40MM	150TTD	.0280
90	40.000	-5.318	.714	3.46E+02	9.407E-01	8.575E-01	.0641	.0584	.4549	.4147	6.19E-06	5.65E-06	2.54E-02	40MM	150TTD	.0207
91	40.000	-5.318	.953	7.24E+01	2.009E-01	1.830E-01	.0137	.0125	.0971	.0885	1.32E-06	1.20E-06	5.58E-03	40MM	150TTO	.0044
92	40.000	-5.318	1.270	2.52E+01	6.990E-02	6.370E-02	.0048	.0043	.0338	.0308	4.60E-07	4.19E-07	1.90E-03	40MM	150TTO	.0015
93	40.000	-5.318	1.587	3.46E+01	9.598E-02	8.738E-02	.0065	.0060	.0464	.0422	6.31E-07	5.75E-07	2.60E-03	40MM	150TTO	.0021
94	42.100-10.254		.476	1.30E+04	3.842F+01	3.313E+01	2.5000	2.274217.618116		.8190	2.40E-04	2.18E-04	1.01E+00	40MM	317SPE	.7995
95	42.100-10.254		1.587	6.21E+03	1.732E+01	1.577E+01	1.1952	1.0801	0.3744	7.6236	1.14E-04	1.04E-04	4.79E-01	40MM	317SPE	.3884
97	47.100-10.254		.476	8.41E+03	2.347E+01	2.137E+01	1.7123	1.550711.350210		.3317	1.55E-04	1.41E-04	6.87E-01	40MM	317SPE	.5099
98	47.100-10.254		.953	6.49E+03	1.809E+01	1.647E+01	1.3213	1.2030	0.7463	7.9629	1.19E-04	1.08E-04	5.29E-01	40MM	317SPE	.3930
99	47.100-10.254		1.587	4.13E+03	1.148E+01	1.045E+01	.8401	.7651	5.5580	5.0549	7.56E-05	6.88E-05	3.35E-01	40MM	317SPE	.2495
100	54.000-10.254		.476	4.52E+03	1.257E+01	1.145E+01	.9916	.9029	6.0779	5.5344	8.28E-05	7.54E-05	3.97E-01	40MM	317SPE	.2953
102	54.000-10.254		1.587	2.03E+03	5.641E+00	5.138E+00	.4468	.4063	2.7277	2.4846	3.71E-05	3.38E-05	1.78E-01	40MM	317SPE	.1324
103	61.100	-1.524	.476	5.55E+03	1.549E+01	1.410E+01	1.2074	1.1719	7.4920	6.8198	1.02E-04	9.29E-05	5.16E-01	40MM	317STU	.3253
104	61.100	-1.524	.953	4.53E+03	1.262E+01	1.149E+01	1.0496	.9556	6.1689	5.5534	8.31E-05	7.56E-05	4.21E-01	40MM	317STU	.2649
105	61.100	-1.524	1.587	2.91E+03	8.101E+00	7.377E+00	.6751	.6148	3.9174	3.5673	5.33E-05	4.86E-05	2.70E-01	40MM	317STU	.1701
106	61.100	-5.318	.476	2.58E+03	7.184E+00	6.543E+00	.5991	.5456	3.4740	3.1638	4.73E-05	4.31E-05	2.39E-01	40MM	317STU	.1509
107	61.100	-5.318	.953	1.44E+03	4.012E+00	3.757E+00	.3443	.3136	1.9945	1.8160	2.72E-05	2.47E-05	1.38E-01	40MM	317STU	.0868
108	61.100	-5.318	1.587	9.52E+02	2.643E+00	2.407E+00	.2207	.2018	1.2779	1.1639	1.74E-05	1.58E-05	8.81E-02	40MM	317STU	.0555

REFERANCE HEATING CURVE FOR RUN 0

M-REF W/M2-K	6.99E+00	6.23E+00	8.22E+00	5.31E+00	5.00E+00	4.68E+00	5.05E+00	8.63E+00	1.14E+01	1.63E+01	1.95E+01					
M-REF W/M2-K	1.87E+01															
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.78E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01					
AT X(CM)	5.79E+01															

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN# 80 1972

PAGE 22

TSTAGIN) = 7.2424E+02
PSTAGIN/N2)= 2.4869E-06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 6.0638E+06
MACH = 7.870
X:STREF = .401
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR HT
PARALLEL TILE CONF.
FREE STREAM PUSITION
M1 IS FOR TC-19 = 6.9959E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	HT (W/M2-K)	ML/HR	HT/HR	ML/M1	HT/M1	STL	STT	STAFL	TILE	GAP	ML/HTOP
1	21.600	10.254	.476	7.49E+02	2.34E+00	2.12E+00	.3139	.28+2	.3353	.3036	1.10E-04	9.97E-05	1.36E-01	1UPS	1587PE	.3181
2	21.600	10.254	.953	1.90E+02	5.96E-01	5.39E-01	.0798	.0722	.0853	.0772	2.80E-05	2.54E-05	3.21E-02	1UPS	1587PE	.0869
3	21.600	10.254	1.587	1.02E+02	3.18E-01	2.88E-01	.0426	.0385	.0455	.0412	1.49E-05	1.35E-05	1.71E-02	1UPS	1587PE	.0432
4	26.700	10.254	.476	3.30E+02	1.05E+00	9.57E-01	.1575	.1427	.1511	.1360	4.96E-05	4.50E-05	6.32E-02	1UPS	1587PE	.1457
5	26.700	10.254	.953	9.15E+00	2.86E-02	2.59E-02	.0043	.0039	.0041	.0037	1.34E-06	1.22E-06	1.71E-03	1UPS	1597PE	.0039
6	26.700	10.254	1.587	3.00E+01	9.62E-02	8.71E-02	.0143	.0130	.0138	.0125	4.52E-06	4.10E-06	5.75E-03	1UPS	1597PE	.0133
7	34.300	10.254	.476	8.21E+02	2.56E+00	2.31E+00	.4331	.3923	.3660	.3315	1.20E-04	1.09E-04	1.73E-01	1UPS	1597PE	.5039
8	34.300	10.254	.953	6.89E+01	2.15E-01	1.94E-01	.0364	.0329	.0367	.0278	1.01E-05	9.15E-06	1.46E-02	1UPS	1587PE	.0423
9	34.300	10.254	1.587	2.44E+01	7.61IE-02	6.83E-02	.0129	.0116	.0109	.0099	3.58E-06	3.24E-06	5.16E-03	1UPS	1587PE	.0159
10	21.600	.238	.476	1.82E+02	5.88E-01	5.15IE-01	.0761	.0689	.0813	.0736	2.67E-05	2.42E-05	3.86E-02	1UPS	4762PC	.0772
11	21.600	.238	.953	2.21E+01	6.95E-02	6.29E-02	.0093	.0084	.0099	.0098	3.27E-06	2.95E-06	3.74E-03	1UPS	4762PC	.0894
12	21.600	.238	1.587	5.34E+00	1.67E-02	1.51E-02	.0022	.0020	.0024	.0022	7.86E-07	7.11E-07	8.99E-04	1UPS	4762PC	.0823
13	26.700	.238	.476	2.83E+02	8.87E-01	8.09E-01	.1195	.1319	.1263	.1144	4.15E-05	3.76E-05	5.20E-02	1UPS	4762PC	.1218
14	26.700	.238	.953	9.79E+02	3.06E-02	8.86IE-02	.0146	.0132	.0140	.0127	4.60E-06	4.17E-06	5.85E-03	1UPS	4762PC	.0135
15	26.700	.238	1.587	3.14E+01	9.86E-02	2.86E-01	.0341	.0309	.0327	.0296	1.07E-05	9.72E-06	1.37E-02	1UPS	4762PC	.0315
16	34.300	.239	.476	7.32E+01	2.26E-01	5.35IE-01	.1003	.6909	.0844	.0765	2.77E-05	2.51E-05	4.00E-02	1UPS	4762PC	.1162
17	34.300	.238	1.587	1.96E+02	5.90E-01	1.64E-01	.0776	.0703	.0657	.0595	2.16E-05	1.96E-05	3.11E-02	1UPS	4762PC	.0905
18	34.300	.238	1.587	1.47E+02	4.59E-01	4.13E+00	.9034	.8722	1.0000	.9054	3.29E-04	2.97E-04	3.87E-01	1UPS	TILTOP	
19	22.900	5.319	0.000	2.23E+03	6.99E+00	6.23E+00	.9057	.8201	.8912	.8070	2.93E-04	2.65E-04	3.83E-01	1UPS	TILTOP	.4469
20	25.400	5.316	0.000	1.99E+03	6.23E+00	5.54E+00	.9057	.8201	.8912	.8045	3.86E-04	3.50E-04	5.02E-01	1UPS	TILTOP	.3241
21	27.900	5.316	0.000	2.64E+03	8.22OE+00	7.46E+00	1.2547	1.1366	1.1751	1.0645						
22	31.100	5.316	0.000	1.70E+03	5.31E+00	4.81E+00	.8562	.7756	.7594	.6879	2.50E-04	2.26E-04	3.43E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	1.63E+03	5.08E+00	4.60E+00	.8600	.7798	.7265	.6582	2.39E-04	2.16E-04	3.44E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	1.51E+03	4.68E+00	4.24E+00	.8304	.7524	.6695	.6066	2.20E-04	1.99E-04	3.32E-01	1UPS	TILTOP	
25	42.100	10.254	.476	8.35E+02	2.50E+00	2.26E+00	.4706	.4264	.3580	.3244	1.10E-04	1.07E-04	1.88E-01	2DWN	1587PE	.4469
26	42.100	10.254	.953	4.33E+01	1.34E-01	1.22E-01	.0253	.0230	.0193	.0175	6.34E-06	5.74E-06	1.01E-02	2DWN	1587PE	.3241
27	42.100	10.254	1.587													
28	47.100	10.254	.476	1.14E+03	3.53E+00	3.20BE+00	.7044	.6384	.5060	.4586	1.66E-04	1.51E-04	2.01E-01	2DWN	1587PE	.3547
29	47.100	10.254	.953	4.58E+02	1.40IE+00	1.26IE+00	.2783	.2522	.2002	.1814	6.58E-05	5.96E-05	1.11E-01	2DWN	1587PE	.1484
30	47.100	10.254	1.587	1.99E+02	6.21ZE-01	5.62BE-01	.1233	.1117	.0886	.0805	2.92E-05	2.64E-05	4.93E-02	2DWN	1587PE	.0623
31	54.800	10.254	.476	2.71E+03	8.43 9E+00	7.64 6E+00	1.6081	1.E382	1.2064	1.0931	3.96E-04	3.59E-04	7.23E-01	2DWN	1587PE	.4348
32	54.800	10.254	.953	6.03E+02	1.87 6E+00	1.70 0E+00	.4019	.3642	.2682	.2430	8.01E-05	7.90E-05	1.61E-01	2DWN	1587PE	.0985
33	54.800	10.254	1.587	3.63E+02	1.13 2E+00	1.02 1E+00	.2422	.2194	.1618	.1466	5.32E-05	4.82E-05	9.69E-02	2DWN	1587PE	.0582
34	42.100	.238	.476	1.84E+02	5.69 8E-01	5.16 6E-01	.1075	.0975	.0815	.0738	2.68E-05	2.43E-05	4.20E-02	2DWN	4762PC	.1617
35	42.100	.238	.953	7.90E+01	2.47 1E-01	2.24 0E-01	.0466	.0423	.0353	.0329	1.16E-05	1.05E-05	1.85E-02	2DWN	4762PC	.0841
36	42.100	.238	1.587	4.62E+01	1.43 4E-01	1.30 8E-01	.0270	.0245	.0205	.0186	6.74E-06	6.11E-06	1.08E-02	2DWN	4762PC	.0256
37	47.100	.238	.476	4.06E+02	1.25 5E+00	1.13 8E+00	.2509	.2275	.1795	.1627	5.90E-05	5.35E-05	9.96E-02	2DWN	4762PC	.1258
38	47.100	.238	.953	1.26E+02	3.89 6E-01	3.35 1E-01	.0739	.0670	.0520	.0479	1.74E-05	1.57E-05	2.93E-02	2DWN	4762PC	.0370
39	47.100	.238	1.587	7.39E+00	2.29 0E-02	2.07 6E-02	.0046	.0041	.0033	.0030	1.08E-06	9.75E-07	1.82E-03	2DWN	4762PC	.0023

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 23

MACH 8 V.D. TEST(622), C.P.JOHNSON RSI TILE GAPS, RUN: 80 1972

I/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/HR	MT/HR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	ML/MTOP
43	24.000	.239	.476	4.01E+02	1.468E+00	1.349E+00	.3204	.2905	.2120	.1929	6.99E-05	6.34E-05	1.27E-01	2DWN	4762PC	.0765
41	54.000	.238	.953	1.47E+02	4.560E-01	4.134E-01	.0981	.0889	.0652	.0591	2.14E-05	1.94E-05	3.90E-02	2DWN	4762PC	.0234
42	54.000	.239	1.587	7.03E+01	2.181E-01	1.977E-01	.0469	.0425	.0312	.0283	1.02E-05	9.29E-06	1.87E-02	2DWN	4762PC	.0112
43	43.300	5.318	0.000	1.89E+03	5.849E+00	5.332E+00	1.1172	1.0127	.8362	.7579	2.75E-04	2.49E-04	4.45E-01	2DWN	TILTOP	
44	45.900	5.318	0.000	2.79E+03	8.631E+00	7.825E+00	1.7000	1.5413	1.2339	1.1187	4.05E-04	3.68E-04	6.76E-01	2DWN	TILTOP	
45	48.600	5.318	0.000	3.69E+03	1.143E+01	1.038E+01	2.3110	2.0951	1.8336	1.6610	5.37E-04	4.87E-04	9.14E-01	2DWN	TILTOP	
46	51.300	5.318	0.000	5.26E+03	1.634E+01	1.481E+01	3.4061	3.0871	2.3365	2.1177	7.63E-04	6.96E-04	1.36E+00	2DWN	TILTOP	
47	54.000	5.318	0.000	6.25E+03	1.945E+01	1.763F+01	4.1711	3.7797	2.7911	2.5201	9.14E-04	8.28E-04	1.67E+00	2DWN	TILTOP	
48	57.900	5.318	0.000	5.99E+03	1.866E+01	1.691F+01	4.1079	3.7218	2.6674	2.4167	8.76E-04	7.94E-04	1.64E+00	2DWN	TILTOP	
49	20.300	-1.503	.476	8.49E+02	2.660E+00	2.402E+00	.3448	.3121	.3003	.3443	1.25F-04	1.13E-04	1.39E-01	3UPS	3175TD	.3426
50	20.300	-1.508	.714	3.64E+02	8.639F-01	8.039F-01	.1237	.1119	.1784	.1235	4.48E-05	4.06E-05	4 97E-02	3UPS	3175TD	.1230
51	20.300	-1.503	.953	1.44E+02	4.083E-01	4.083E-01	.0584	.0529	.0645	.0584	2.12F-05	1.92E-05	2.35E-02	3UPS	3175TD	.0581
52	20.300	-1.503	1.270	4.94E+01	1.553E-01	1.403E-01	.0201	.0182	.0222	.0201	7.28E-06	6.59E-06	8.08E-03	3UPS	3175TD	.0200
53	20.300	-1.508	1.587	1.22E+01	3.834E-02	3.470E-02	.0050	.0045	.0055	.0050	1.80E-06	1.63E-06	2.00E-03	3UPS	3175TD	.0049
54	20.300	-2.778	.476	5.68E+02	1.701E+00	1.612E+00	.2308	.2089	.2546	.2305	8.36E-05	7.57E-05	9.28E-02	3UPS	3175TD	.2295
55	20.300	-2.778	.714	1.03E+02	3.213E-01	2.909E-01	.0416	.0377	.0459	.0416	1.51E-05	1.37E-05	1.67E-02	3UPS	3175TD	.0414
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	1.06E+01	3.311E-02	2.997E-02	.0043	.0039	.0047	.0043	1.56E-06	1.41E-06	1.73E-03	3UPS	3175TD	.0043
58	20.300	-2.778	1.587	2.74E+00	8.594E-03	7.779E-03	.0011	.0010	.0012	.0011	4.04E-07	3.65E-07	4.48E-04	3UPS	3175TD	.0011
59	20.300	-5.318	.476	3.42E+02	1.072E+00	9.703E-01	.1389	.1258	.1532	.1387	5.03E-05	4.56E-05	5.59E-02	3UPS	3175TD	.1381
60	20.300	-5.318	.714	1.81E+02	5.668E-01	5.130E-01	.0734	.0665	.0810	.0733	2.66E-05	2.41E-05	2.95E-02	3UPS	3175TD	.0730
61	20.300	-5.318	.953	1.13E+02	3.534E-01	3.199E-01	.0458	.0415	.0505	.0457	1.66E-05	1.50E-05	1.84E-02	3UPS	3175TD	.0455
62	20.300	-5.318	1.270													
63	20.300	-5.318	1.587													
64	21.600	-10.254	.476	4.53E+02	1.415E+00	1.282E+00	.1697	.1710	.2023	.1832	6.65E-05	6.02E-05	7.61E-02	3UPS	3175PE	.1920
65	21.600	-10.254	.953	5.52E+01	1.724E-01	1.561F-01	.0231	.0209	.0246	.0223	8.10F-06	7.33E-06	9.27E-03	3UPS	3175PF	.0234
66	21.600	-10.254	1.587	7.27E+01	2.275E-01	2.060E-01	.0305	.0276	.0325	.0294	1.07E-05	9.68E-06	1.22E-02	3UPS	3175PE	.0309
67	26.700	-10.254	.476	8.8-E+02	2.761E+00	2.530E+00	.4115	.3727	.3947	.3574	1.30E-04	1.17E-04	1.65E-01	3UPS	3175PE	.3807
68	26.700	-10.254	.953	7.21E+01	2.252E-01	2.040E-01	.0336	.0304	.0322	.0292	1.06E-05	9.58E-06	1.35E-02	3UPS	3175PE	.0311
69	26.700	-10.254	1.587	6.34E+00	1.980E-02	1.793E-02	.0030	.0027	.0028	.0026	9.30E-07	8.42E-07	1.18E-03	3UPS	3175PE	.0027
70	34.300	-10.254	.476	2.06E+03	6.435E+00	5.829E+00	1.0689	.9684	.9199	.8333	3.02E-04	2.74E-04	4.36E-01	3UPS	3175PF	1.2665
71	34.300	-10.254	.953	1.14E+02	1.600E+00	1.450E+00	.2710	.2456	.2287	.2072	7.52E-05	6.81E-05	1.08E-01	3UPS	3175PE	.3149
72	34.700	-13.254	1.587	2.12E+02	6.616E-01	5.994E-01	.1121	.1015	.0946	.0857	3.11E-05	2.82E-05	4.48E-02	3UPS	3175PE	.1302
73	40.600	-1.508	.476	2.07E+02	6.433E-01	5.830E-01	.1100	.1077	.0920	.0833	3.02E-05	2.74E-05	4.74E-02	3UPS	1587TU	.1212
74	40.600	-1.508	.953	1.40E+02	4.349E-01	3.941F-01	.0803	.0728	.0622	.0563	2.04E-05	1.85E-05	3.23E-02	3UPS	1587TU	.0820
75	40.600	-1.503	1.587	5.27E+01	1.637E-02	1.483F-02	.0030	.0027	.0023	.0021	7.69E-07	6.97E-07	1.21E-03	3UPS	1587TU	.0031
76	40.600	-5.318	.476	2.38E+01	7.397E-02	6.733E-02	.0137	.0124	.0106	.0096	3.47E-06	3.15E-06	5.45E-03	3UPS	1587TU	.0139
77	40.600	-5.318	.953	1.30E+01	4.041E-02	3.662E-02	.0075	.0068	.0058	.0052	1.90E-06	1.72E-06	2.98E-03	3UPS	1587TU	.0076
78	40.600	-5.318	1.587	1.10E+02	3.674F-01	3.328E-01	.0677	.0614	.0525	.0476	1.73E-05	1.56E-05	2.71E-02	3UPS	1587TU	.0692
79	40.600	-1.503	.476	2.03E+01	2.039E-01	1.848F-01	.0378	.0343	.0292	.0264	9.58E-06	8.68E-06	1.51E-02	4DWN	1587TD	.0301
80	40.800	-1.503	.714	1.61E+01	4.987E-02	4.520E-02	.0092	.0084	.0071	.0065	2.34E-06	2.12E-06	3.68E-03	4DWN	1587TD	.0093
81	40.800	-1.503	.953	7.73E+00	2.401E-02	2.176E-02	.0044	.0040	.0034	.0031	1.13E-06	1.02E-06	1.77E-03	4DWN	1587TD	.0045
82	40.800	-1.508	1.270	3.53E+00	1.097E-02	9.945E-03	.0020	.0018	.0016	.0014	5.15E-07	4.67E-07	8.11E-04	4DWN	1587TD	.0021
83	40.800	-1.508	1.587													
84	40.800	-2.778	.476	7.34E+01	2.362E-01	2.142E-01	.0434	.0393	.0335	.0303	1.10E-05	9.97E-06	1.73E-02	4DWN	1587TD	.0438
85	40.800	-2.778	.714	6.90E+01	2.142E-01	1.942E-01	.0397	.0360	.0306	.0278	1.01E-05	9.12E-06	1.58E-02	4DWN	1587TD	.0401

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.O. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(8) 1972 PAGE 24

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	ML/MTOP
86	40.800	-2.778	.953	8.73E+00	2.713E-02	2.459E-02	.0050	.0046	.0039	.0035	1.27E-06	1.16E-06	2.80E-03	4DWN	1587TD	.0051
87	40.800	-2.778	1.270	2.84E+01	8.830E-02	8.002E-02	.0163	.0148	.0126	.0114	4.15E-06	3.76E-06	6.52E-03	4DWN	1587TD	.0165
88	40.800	-2.778	1.587	7.07E+01	2.198E-01	1.992E-01	.0407	.0368	.0314	.0285	1.03E-05	9.35E-06	1.62E-02	4DWN	1587TD	.0411
89	40.800	-5.318	.476	1.28E+07	3.972E-01	3.599E-01	.0736	.0667	.0569	.0515	1.87E-05	1.69E-05	2.93E-02	4DWN	1587TD	.0743
90	40.800	-5.318	.714	2.84E+01	8.826E-02	7.998E-02	.0163	.0148	.0126	.0114	4.15E-06	3.76E-06	6.52E-03	4DWN	1587TD	.0165
91	40.800	-5.318	.953	1.96E+01	6.220E-02	5.638E-02	.0114	.0104	.0089	.0080	2.86E-06	2.60E-06	4.60E-03	4DWN	1587TD	.0116
94	42.100	-10.254	.476	1.21E+07	3.790E+00	3.435E+00	.7073	.6409	.5418	.4910	1.75E-04	1.58E-04	2.83E-01	4DWN	3175PE	.6764
96	42.100	-10.254	1.587	3.26E+01	1.021E-01	9.260E-02	.0191	.0173	.0146	.0132	4.71E-06	4.27E-06	7.60E-03	4DWN	3175PE	.0182
97	47.100	-10.254	.476	1.20E+03	3.756E+00	3.405E+00	.7444	.6750	.5369	.4868	1.73E-04	1.57E-04	2.97E-01	4DWN	3175PE	.3764
98	47.100	-10.254	.953	1.63E+02	5.075E-01	4.602E-01	.1006	.0912	.0726	.0658	2.34E-05	2.12E-05	4.01E-02	4DWN	3175PE	.0509
99	47.100	-10.254	1.587	3.76E+01	1.175E-01	1.066E-01	.0233	.0211	.0168	.0152	5.42E-06	4.91E-06	9.30E-03	4DWN	3175PE	.0118
100	54.800	-10.254	.476	2.06E+03	6.441E+00	5.840E+00	1.3763	1.2478	.9208	.8348	2.97E-04	2.69E-04	5.49E-01	4DWN	3175PE	.3712
102	54.800	-10.254	1.587	1.90E+02	5.946E-01	5.391E-01	.1269	.1150	.0850	.0771	2.74E-05	2.48E-05	5.07E-02	4DWN	3175PE	.0086
103	61.100	-1.508	.476	5.29E+02	1.657E+00	1.502E+00	.3730	.3381	.2369	.2147	7.64E-05	6.92E-05	1.49E-01	4DWN	3175TU	.0927
104	61.100	-1.508	.953	1.77E+02	5.548E-01	5.029E-01	.1249	.1132	.0793	.0719	2.56E-05	2.32E-05	4.99E-02	4DWN	3175TU	.0311
105	61.100	-1.508	1.587	2.46E+00	7.700E-03	7.030E-03	.0017	.0016	.0011	.0010	3.55E-07	3.22E-07	7.00E-04	4DWN	3175TU	.0004
106	61.100	-5.318	.476	3.46E+02	1.085E+00	9.833E-01	.2441	.2212	.1551	.1406	5.00E-05	4.53E-05	9.76E-02	4DWN	3175TU	.0607
107	61.100	-5.318	.953	4.25E+01	1.332E-01	1.207E-01	.0299	.0271	.0190	.0173	6.14E-06	5.56E-06	1.20E-02	4DWN	3175TU	.0075
108	61.100	-5.318	1.587	5.31E+01	1.660E-01	1.512E-01	.0373	.0339	.0239	.0216	7.69E-06	6.97E-06	1.50E-02	4DWN	3175TU	.0093

REFERANCE HEATING CURVE FOR RUN 9											
H-REF W/M2-K	5.77E+00	5.19E+00	4.71E+00	4.49E+00	4.19E+00	3.99E+00	3.77E+00	4.02E+00	4.24E+00	4.76E+00	6.24E+00
H-REF W/M2-K	6.10E+00										
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.89E+01	4.84E+01	5.16E+01	5.48E+01
AT X(CM)	5.79E+01										

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

TSTAG(K) = 7.9827E+02
PSTAG(N/M2) = 1.4458E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 3.7434E+06
MACH = 7.798
XNSTREF = .484
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR HT
PARALLEL TILE CONF.
FREE STREAM POSITION
M1 IS FOR TC-19 = 5.7650E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	HT (W/M2-K)	ML/MR	HT/HR	ML/M1	HT/M1	STL	STT	STREL	TILE	GAP	ML/HTOP
1	21.600	10.254	.476	4.29E+02	1.415E+00	1.278E+00	.2406	.2173	.2455	.2216	1.88E-04	9.77E-05	9.73E-02	1UPS	1587PE	.2340
2	21.600	10.254	.953	1.48E+02	4.894E-01	4.418E-01	.0831	.0750	.0849	.0766	3.74E-05	3.38E-05	3.36E-02	1UPS	1587PE	.0809
3	21.600	10.254	1.587	3.39E+01	1.119E-01	1.010E-01	.0190	.0171	.0194	.0175	8.56E-06	7.72E-06	7.70E-03	1UPS	1587PE	.0185
4	26.700	10.254	.476	2.26E+02	7.434E-01	6.713E-01	.1408	.1271	.1289	.1165	5.68E-05	5.13E-05	5.68E-02	1UPS	1587PE	.1584
5	26.700	10.254	.953	2.78E+01	9.173E-02	8.283E-02	.0173	.0157	.0159	.0144	7.01E-06	6.33E-06	7.01E-03	1UPS	1587PE	.0186
6	26.700	10.254	1.587	6.98E+01	2.295E-01	2.072E-01	.0434	.0391	.0398	.0359	1.75E-05	1.58E-05	1.75E-02	1UPS	1587PE	.0464
7	34.308	10.254	.476	3.21E+02	1.053E+00	9.512E-01	.2265	.2046	.1827	.1650	8.05E-05	7.27E-05	9.12E-02	1UPS	1587PE	.2514
8	34.302	10.254	.953	2.53E+01	8.315E-02	7.509E-02	.0179	.0161	.0144	.0130	6.36E-06	5.74E-06	7.20E-03	1UPS	1587PE	.0198
9	34.308	10.254	1.587													
10	21.600	.238	.476	1.98E+02	6.529E-01	5.895E-01	.1111	.1003	.1132	.1023	4.99E-05	4.51E-05	4.49E-02	1UPS	4762PC	.1080
11	21.600	.238	.953	3.19E+01	1.053E-01	9.502E-02	.0179	.0161	.0183	.0165	8.05E-06	7.26E-06	7.24E-03	1UPS	4762PC	.0174
12	21.600	.238	1.587													
13	26.700	.238	.476	3.03E+02	1.160E+00	1.048E+00	.2201	.1969	.2012	.1818	8.87E-05	8.01E-05	8.87E-02	1UPS	4762PC	.2346
14	26.700	.238	.953	4.00E+01	1.315E-01	1.187E-01	.0249	.0225	.0228	.0206	1.01E-05	9.08E-06	1.00E-02	1UPS	4762PC	.0266
15	26.700	.238	1.587	2.98E+01	9.823E-02	8.870E-02	.0186	.0168	.0170	.0154	7.51E-06	6.78E-06	7.51E-03	1UPS	4762PC	.0199
16	34.308	.238	.476	1.97E+02	6.444E-01	5.825E-01	.1393	.1259	.1118	.1010	4.93E-05	4.45E-05	5.58E-02	1UPS	4762PC	.1538
17	34.308	.238	.953													
18	34.308	.238	1.587	1.20E+02	3.941E-01	3.560E-01	.0848	.0766	.0684	.0618	3.01E-05	2.72E-05	3.41E-02	1UPS	4762PC	.0941
19	22.908	5.318	0.000	1.76E+03	5.765E+00	5.207E+00	1.0124	.9144	1.0000	.9033	4.41E-04	3.98E-04	4.88E-01	1UPS	TILTOP	
20	25.488	5.318	0.000	1.58E+03	5.192E+00	4.693E+00	.9025	.8096	.9011	.8141	3.97E-04	3.59E-04	3.87E-01	1UPS	TILTOP	
21	27.988	5.318	0.000	1.44E+03	4.707E+00	4.253E+00	.9154	.8272	.8164	.7377	3.60E-04	3.25E-04	3.68E-01	1UPS	TILTOP	
22	31.188	5.318	0.000	1.37E+03	4.486E+00	4.055E+00	.9227	.8340	.7781	.7033	3.43E-04	3.10E-04	3.70E-01	1UPS	TILTOP	
23	34.388	5.318	0.000	1.28E+03	4.190E+00	3.788E+00	.9060	.8190	.7268	.6570	3.20E-04	2.90E-04	3.63E-01	1UPS	TILTOP	
24	37.588	5.318	0.000	1.23E+03	3.994E+00	3.611E+00	.9845	.8178	.6928	.6264	3.05E-04	2.76E-04	3.62E-01	1UPS	TILTOP	
25	42.188	10.254	.476	4.23E+02	1.383E+00	1.250E+00	.3308	.2989	.2400	.2169	1.06E-04	9.56E-05	1.33E-01	2DWN	1587PE	.3627
26	42.100	10.254	.953	1.82E+01	5.956E-02	5.381E-02	.0142	.0128	.0103	.0093	4.55E-06	4.11E-06	5.72E-03	2DWN	1587PE	.0156
27	42.188	10.254	1.587													
28	47.188	10.254	.476	4.21E+02	1.373E+00	1.241E+00	.3477	.3143	.2381	.2152	1.05E-04	9.49E-05	1.39E-01	2DWN	1587PE	.3328
29	47.100	10.254	.953	1.16E+02	3.796E-01	3.430E-01	.0959	.0866	.0658	.0595	2.90E-05	2.62E-05	3.85E-02	2DWN	1587PE	.0920
30	47.100	10.254	1.587	2.41E+01	7.927E-02	7.160E-02	.0200	.0180	.0137	.0124	6.06E-06	5.47E-06	8.05E-03	2DWN	1587PE	.0192
31	54.888	10.254	.476	6.31E+02	2.061E+00	1.862E+00	.5623	.5082	.3574	.3230	1.58E-04	1.42E-04	2.26E-01	2DWN	1587PE	.3305
32	54.800	10.254	.953	1.27E+02	4.151E-01	3.751E-01	.1131	.1022	.0720	.0651	3.17E-05	2.87E-05	4.55E-02	2DWN	1587PE	.0666
33	54.888	10.254	1.587	7.20E+01	2.365E-01	2.137E-01	.0643	.0581	.0413	.0371	1.81E-05	1.63E-05	2.59E-02	2DWN	1587PE	.0379
34	42.100	.238	.476	1.83E+02	5.946E-01	5.378E-01	.1430	.1294	.1031	.0933	4.55E-05	4.11E-05	5.71E-02	2DWN	4762PC	.1559
35	42.100	.238	.953	5.87E+01	1.908E-01	1.726E-01	.0459	.0415	.0331	.0299	1.46E-05	1.32E-05	1.83E-02	2DWN	4762PC	.0500
36	42.100	.238	1.587	3.79E+01	1.237E-01	1.116E-01	.0296	.0268	.0215	.0194	9.46E-06	8.55E-06	1.19E-02	2DWN	4762PC	.0324
37	47.100	.238	.476	2.51E+02	8.173E-01	7.358E-01	.2072	.1875	.1469	.1329	6.21E-05	5.62E-05	8.25E-02	2DWN	4762PC	.1968
38	47.100	.238	.953	6.82E+01	2.218E-01	1.999E-01	.0564	.0510	.0383	.0347	1.69E-05	1.53E-05	2.24E-02	2DWN	4762PC	.0535

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(9) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	ML/MTOP
39	47.100	.238	1.587	1.93E+01	6.294E-02	5.631E-02	.0160	.0145	.0189	.0899	4.81E-06	4.35E-06	6.39E-03	2DWN	4762PC	.0152
40	54.000	.239	.476	2.18E+02	7.050E-01	6.378E-01	.1938	.1753	.1223	.1106	5.39E-05	4.88E-05	7.72E-02	2DWN	4762PC	.1131
41	54.000	.238	.953	6.07E+01	1.970E-01	1.782E-01	.0541	.0489	.0342	.0309	1.51E-05	1.36E-05	2.16E-02	2DWN	4762PC	.0316
42	54.000	.238	1.587	6.16E+01	2.006E-01	1.814E-01	.0549	.0496	.0348	.0315	1.53E-05	1.39E-05	2.20E-02	2DWN	4762PC	.0322
43	43.300	5.318	0.000	1.16E+03	3.767E+00	3.408E+00	.9203	.8325	.6535	.5912	2.88E-04	2.61E-04	3.67E-01	2DWN	TILTOP	
44	45.900	5.319	0.000	1.24E+03	4.019E+00	3.637E+00	1.0132	.9169	.6972	.6309	3.07E-04	2.78E-04	4.03E-01	2DWN	TILTOP	
45	48.400	5.318	0.000	1.31E+03	4.243E+00	3.840E+00	1.0989	.9945	.7361	.6661	3.24E-04	2.94E-04	4.37E-01	2DWN	TILTOP	
46	51.600	5.318	0.000	1.47E+03	4.759E+00	4.306E+00	1.2710	1.1501	.8256	.7470	3.64E-04	3.29E-04	5.06E-01	2DWN	TILTOP	
47	54.800	5.318	0.000	1.92E+03	6.237E+00	5.642E+00	1.7138	1.5503	1.0810	.9786	4.77E-04	4.31E-04	6.83E-01	2DWN	TILTOP	
48	57.900	5.318	0.000	1.68E+03	6.101E+00	5.518E+00	1.7205	1.5561	1.0582	.9571	4.66E-04	4.22E-04	6.67E-01	2DWN	TILTOP	
49	20.300	-1.508	.476	7.07E+02	2.333E+00	2.106E+00	.3839	.3466	.4046	.3652	1.78E-04	1.61E-04	1.55E-01	3UPS	3175TD	.3679
50	20.300	-1.508	.714	2.46E+02	8.140E-01	7.347E-01	.1339	.1209	.1412	.1274	6.22E-05	5.62E-05	5.43E-02	3UPS	3175TD	.1284
51	20.300	-1.508	.953	3.58E+01	1.184E-01	1.069E-01	.0195	.0176	.0205	.0185	9.05E-06	8.17E-06	7.89E-03	3UPS	3175TD	.0107
52	20.300	-1.508	1.270	3.22E+00	1.063E-02	9.592E-03	.0017	.0016	.0018	.0017	8.12E-07	7.33E-07	7.08E-04	3UPS	3175TD	.0017
53	20.300	-1.508	1.587													
54	20.300	-2.778	.476	3.87E+02	1.278E+00	1.154E+00	.2104	.1899	.2217	.2001	9.77E-05	8.82E-05	8.52E-02	3UPS	3175TD	.2016
55	20.300	-2.778	.714	1.05E+02	3.463E-01	3.126E-01	.0570	.0514	.0601	.0542	2.65E-05	2.39E-05	2.31E-02	3UPS	3175TD	.0546
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	1.11E+01	3.656E-02	3.300E-02	.0060	.0054	.0063	.0057	2.80E-06	2.52E-06	2.44E-03	3UPS	3175TD	.0058
58	20.300	-2.778	1.587	1.28E+01	4.233E-02	3.820E-02	.0070	.0063	.0073	.0066	3.24E-06	2.92E-06	2.82E-03	3UPS	3175TD	.0067
59	20.300	-5.318	.476	2.42E+02	7.973E-01	7.197E-01	.1312	.1185	.1383	.1248	6.10E-05	5.50E-05	5.31E-02	3UPS	3175TD	.1258
60	20.300	-5.318	.714	2.23E+01	7.366E-02	6.649E-02	.0121	.0109	.0128	.0115	5.63E-06	5.08E-06	4.91E-03	3UPS	3175TD	.0116
61	20.300	-5.318	.953	4.22E+00	1.394E-02	1.258E-02	.0023	.0021	.0024	.0022	1.07E-06	9.62E-07	9.29E-04	3UPS	3175TD	.0022
62	20.300	-5.318	1.270	1.34E-01	4.428E-04	3.996E-04	.0001	.0001	.0001	.0001	3.39E-08	3.06E-08	2.95E-05	3UPS	3175TD	.0001
63	20.300	-5.318	1.587													
64	21.600-10.254		.476	3.07E+02	1.010E+00	9.116E-01	.1718	.1552	.1751	.1581	7.72E-05	6.97E-05	6.94E-02	3UPS	3175PE	.1669
65	21.600-10.254		.953	4.83E+01	1.592E-01	1.437E-01	.0271	.0245	.0276	.0249	1.22E-05	1.10E-05	1.09E-02	3UPS	3175PE	.0263
66	21.600-10.254		1.587	2.47E+01	8.150E-02	7.358E-02	.0138	.0125	.0141	.0128	6.23E-06	5.63E-06	5.60E-03	3UPS	3175PE	.0135
67	26.700-10.254		.476	6.32E+02	2.077E+00	1.876E+00	.3936	.3554	.3603	.3254	1.59E-04	1.43E-04	1.59E-01	3UPS	3175PE	.4201
68	26.700-10.254		.953	8.86E+01	2.918E-01	2.635E-01	.0553	.0499	.0506	.0457	2.23E-05	2.01E-05	2.23E-02	3UPS	3175PE	.0590
69	26.700-10.254		1.587	2.97E+01	9.775E-02	8.830E-02	.0185	.0167	.0170	.0153	7.48E-06	6.75E-06	7.47E-03	3UPS	3175PE	.0198
70	34.300-10.254		.476	6.50E+02	2.130E+00	1.925E+00	.4587	.4145	.3695	.3339	1.63E-04	1.47E-04	1.85E-01	3UPS	3175PE	.5085
71	34.300-10.254		.953	1.32E+02	4.327E-01	3.910E-01	.0932	.0842	.0751	.0678	3.31E-05	2.99E-05	3.75E-02	3UPS	3175PE	.1033
72	34.300-10.254		1.587	5.62E+01	1.845E-01	1.667E-01	.0397	.0359	.0320	.0289	1.41E-05	1.27E-05	1.60E-02	3UPS	3175PE	.0440
73	40.600	-1.508	.476	1.34E+02	4.394E-01	3.963E-01	.1032	.0933	.0760	.0687	3.35E-05	3.03E-05	4.13E-02	3UPS	1587TU	.1132
74	40.600	-1.508	.953	8.98E+01	2.930E-01	2.649E-01	.0689	.0623	.0508	.0459	2.24E-05	2.03E-05	2.76E-02	3UPS	1587TU	.0757
75	40.600	-1.508	1.587													
76	40.600	-5.318	.476	3.37E+01	1.102E-01	9.958E-02	.0259	.0234	.0191	.0173	8.42E-06	7.61E-06	1.04E-02	3UPS	1587TU	.0284
77	40.600	-5.318	.953	1.02E+01	3.320E-02	3.000E-02	.0078	.0070	.0058	.0052	2.54E-06	2.29E-06	3.13E-03	3UPS	1587TU	.0086
78	40.600	-5.318	1.587	9.64E+01	3.151E-01	2.856E-01	.0740	.0669	.0548	.0495	2.42E-05	2.18E-05	2.98E-02	3UPS	1587TU	.0816
79	48.800	-1.508	.476	6.71E+01	2.187E-01	1.978E-01	.0516	.0467	.0379	.0343	1.67E-05	1.51E-05	2.07E-02	4DWN	1587TD	.0566
80	48.800	-1.508	.714	2.54E+01	8.294E-02	7.498E-02	.0196	.0177	.0144	.0130	6.34E-06	5.73E-06	7.84E-03	4DWN	1587TD	.0215
81	48.800	-1.508	.953	2.22E+01	7.231E-02	6.537E-02	.0171	.0154	.0125	.0113	5.53E-06	5.00E-06	6.83E-03	4DWN	1587TD	.0187
82	48.800	-1.508	1.270	2.67E+00	8.725E-03	7.886E-03	.0021	.0019	.0015	.0014	6.67E-07	6.03E-07	8.24E-04	4DWN	1587TD	.0023
83	48.800	-1.508	1.587													
84	48.800	-2.778	.476	9.04E+01	2.946E-01	2.663E-01	.0695	.0629	.0511	.0462	2.25E-05	2.04E-05	2.78E-02	4DWN	1587TD	.0762

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(9) 1972 PAGE 27

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
85	40.800	-2.778	.714	1.60E+01	5.228E-02	4.726E-02	.0123	.0111	.0091	.0082	4.00E-06	3.61E-06	4.94E-03	4DWN	1587TD	.0135
86	40.800	-2.778	.953	3.38E+01	1.104E-01	9.977E-02	.0260	.0235	.0191	.0173	8.44E-06	7.63E-06	1.04E-02	4DWN	1587TD	.0286
87	40.800	-2.778	1.270	2.34E+00	7.647E-03	6.911E-03	.0018	.0016	.0013	.0012	5.85E-07	5.28E-07	7.23E-04	4DWN	1587TD	.0020
88	40.800	-2.778	1.587	4.86E+01	1.590E-01	1.437E-01	.0374	.0338	.0276	.0249	1.22E-05	1.10E-05	1.50E-02	4DWN	1587TD	.0411
89	40.800	-5.318	.476	8.83E+01	2.885E-01	2.608E-01	.0680	.0614	.0500	.0452	2.21E-05	1.99E-05	2.73E-02	4DWN	1587TD	.0746
90	40.800	-5.318	.714	1.03E+01	3.363E-02	3.039E-02	.0079	.0072	.0058	.0053	2.57E-06	2.32E-06	3.18E-03	4DWN	1587TD	.0087
91	40.800	-5.318	.953	1.41E+01	4.760E-02	4.300E-02	.0114	.0103	.0083	.0075	3.65E-06	3.29E-06	4.60E-03	4DWN	1587TD	.0123
92	40.800	-5.318	1.270	1.01E+01	3.430E-02	3.099E-02	.0082	.0074	.0059	.0054	2.62E-06	2.37E-06	3.30E-03	4DWN	1587TD	.0089
94	42.100-10.254		.476	5.84E+02	1.978E+00	1.786E+00	.4793	.4326	.3431	.3097	1.52E-04	1.37E-04	1.92E-01	4DWN	3175PE	.5105
96	42.100-10.254		1.587	2.19E+01	7.420E-02	6.700E-02	.0180	.0163	.0129	.0116	5.69E-06	5.14E-06	7.20E-03	4DWN	3175PE	.0194
97	47.100-10.254		.476	5.37E+02	1.819E+00	1.642E+00	.4663	.4209	.3154	.2847	1.39E-04	1.26E-04	1.87E-01	4DWN	3175PE	.4406
98	47.100-10.254		.953	3.27E+01	1.106E-01	9.980E-02	.0284	.0256	.0192	.0173	8.47E-06	7.65E-06	1.14E-02	4DWN	3175PE	.0268
99	47.100-10.254		1.587	2.09E+01	7.063E-02	6.378E-02	.0181	.0164	.0122	.0110	5.41E-06	4.88E-06	7.30E-03	4DWN	3175PE	.0171
100	54.800-10.254		.476	7.26E+02	2.465E+00	2.224E+00	.6801	.6138	.4275	.3858	1.89E-04	1.70E-04	2.74E-01	4DWN	3175PE	.3953
102	54.800-10.254		1.587	1.19E+02	4.032E-01	3.639E-01	.1114	.1005	.0699	.0631	3.09E-05	2.79E-05	4.43E-02	4DWN	3175PE	.0647
103	61.100	-1.508	.476	1.16E+02	3.931E-01	3.549E-01	.1148	.1037	.0682	.0616	3.01E-05	2.72E-05	4.61E-02	4DWN	3175TU	.0659
104	61.100	-1.508	.953	1.29E+01	4.350E-02	3.930E-02	.0127	.0115	.0075	.0068	3.34E-06	3.01E-06	5.18E-03	4DWN	3175TU	.0073
105	61.100	-1.508	1.587	1.25E+01	4.240E-02	3.830E-02	.0124	.0112	.0074	.0066	3.25E-06	2.93E-06	5.00E-03	4DWN	3175TU	.0071
106	61.100	-5.318	.476	2.37E+02	8.006E-01	7.227E-01	.2339	.2111	.1389	.1254	6.14E-05	5.54E-05	9.38E-02	4DWN	3175TU	.1342
107	61.1	-5.318	.953	4.21E+01	1.424E-01	1.285E-01	.0416	.0376	.0247	.0223	1.09E-05	9.85E-06	1.67E-02	4DWN	3175TU	.0239
108	61.100	-5.318	1.587	7.91E+01	2.679E-01	2.418E-01	.0783	.0706	.0465	.0419	2.05E-05	1.85E-05	3.14E-02	4DWN	3175TU	.0449

REFERANCE HEATING CURVE FOR RUN 10

H-REF W/M2-K	4.18E+00	3.75E+00	3.11E+00	2.86E+00	2.67E+00	2.44E+00	2.53E+00	2.66E+00	3.11E+00	3.73E+00	4.22E+00
AT X(CM)	2.29E+01	2.54E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01	5.79E+01

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY • EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MACH 8 V.O. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(18) 1972

TSTAG(K) = 6.7447E+02
PSTAG(N/M2) = 8.1151E+05
Q CODE = 1
DEG OF FIT = 1
RE/METER = 2.2966E+06
MACH = 7.700
XNSTREF = .401
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
PARALLEL TILE CONF.
FREE STREAM POSITION
M1 IS FOR TC-19 = 4.1780E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	ML/MTOP
1	21.600	10.254	.476	2.74E+02	9.934E-01	8.931E-01	.2225	.2000	.2378	.2138	1.25E-04	1.13E-04	8.92E-02	1UPS	1587PE	.2263
2	21.600	10.254	.953	1.36E+02	4.897E-01	4.403E-01	.1097	.0986	.1172	.1054	6.18E-05	5.56E-05	4.40E-02	1UPS	1587PE	.1116
3	21.600	10.254	1.587	1.16E+01	4.189E-02	3.767E-02	.0094	.0084	.0100	.0090	5.29E-06	4.76E-06	3.76E-03	1UPS	1587PE	.0095
4	26.700	10.254	.476	1.96E+02	7.087E-01	6.372E-01	.1765	.1587	.1695	.1525	8.95E-05	8.05E-05	7.08E-02	1UPS	1587PE	.1796
5	26.700	10.254	.953	1.14E+01	1.136E-01	1.021E-01	.0283	.0254	.0272	.0244	1.43E-05	1.29E-05	1.13E-02	1UPS	1587PE	.0315
6	26.700	10.254	1.587	1.36E+02	4.920E-01	4.424E-01	.1226	.1102	.1178	.1059	6.21E-05	5.59E-05	4.91E-02	1UPS	1587PE	.1365
7	34.300	10.254	.476	3.10E+02	1.121E+00	1.008E+00	.3167	.2847	.2683	.2413	1.42E-04	1.27E-04	1.27E-01	1UPS	1587PE	.3927
8	34.300	10.254	.953	2.06E+01	7.452E-02	6.700E-02	.0211	.0189	.0178	.0160	9.41E-06	8.46E-06	8.44E-03	1UPS	1587PE	.0261
9	34.300	10.254	1.587	5.61E+00	2.030E-02	1.826E-02	.0057	.0052	.0049	.0044	2.56E-06	2.31E-06	2.30E-03	1UPS	1587PE	.0071
10	21.600	.238	.476	1.35E+02	4.896E-01	4.401E-01	.1096	.0985	.1172	.1053	6.18E-05	5.56E-05	4.40E-02	1UPS	4762PC	.1115
11	21.600	.238	.953	3.38E+01	1.227E-01	1.103E-01	.0274	.0246	.0294	.0264	1.55E-05	1.39E-05	1.10E-02	1UPS	4762PC	.0280
12	21.600	.238	1.587	1.14E+01	4.118E-03	3.702E-03	.0009	.0008	.0010	.0009	5.20E-07	4.67E-07	3.70E-04	1UPS	4762PC	.0009
13	26.700	.238	.476	2.69E+02	9.757E-01	8.772E-01	.2430	.2186	.2335	.2100	1.23E-04	1.11E-04	9.74E-02	1UPS	4762PC	.2707
14	26.700	.238	.953	5.39E+01	2.315E-01	2.082E-01	.0577	.0518	.0554	.0498	2.92E-05	2.63E-05	2.31E-02	1UPS	4762PC	.0642
15	26.700	.238	1.587	7.69E+01	2.794E-01	2.503E-01	.0694	.0624	.0666	.0599	3.51E-05	3.16E-05	2.78E-02	1UPS	4762PC	.0772
16	34.300	.238	.476	1.67E+02	6.031E-01	5.423E-01	.1705	.1533	.1443	.1298	7.61E-05	6.85E-05	6.83E-02	1UPS	4762PC	.2113
17	34.300	.238	.953													
18	34.300	.238	1.587	9.60E+01	3.262E-01	2.932E-01	.0920	.0827	.0781	.0702	4.12E-05	3.70E-05	3.69E-02	1UPS	4762PC	.1143
19	22.900	5.318	0.000	1.15E+03	4.178E+00	3.755E+00	.9613	.8648	1.0000	.8987	5.28E-04	4.74E-04	3.86E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	1.03E+03	3.751E+00	3.372E+00	.9095	.8175	.8979	.8070	4.74E-04	4.26E-04	3.65E-01	1UPS	TILTOP	
21	31.100	5.318	0.000	8.57E+02	3.108E+00	2.794E+00	.8345	.7502	.7438	.6686	3.92E-04	3.53E-04	3.35E-01	1UPS	TILTOP	
22	34.300	5.318	0.000	7.84E+02	2.855E+00	2.567E+00	.8053	.7240	.6834	.6143	3.61E-04	3.24E-04	3.23E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	7.39E+02	2.672E+00	2.403E+00	.7687	.7090	.6397	.5751	3.37E-04	3.03E-04	3.16E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	3.36E+02	1.215E+00	1.092E+00	.3806	.3422	.2908	.2615	1.53E-04	1.38E-04	1.52E-01	2DWN	1587PE	.4875
25	42.100	10.254	.476	1.92E+01	6.956E-02	6.256E-02	.0218	.0196	.0166	.0150	8.78E-06	7.90E-06	8.72E-03	2DWN	1587PE	.0279
26	42.100	10.254	.953													
27	42.100	10.254	1.587	2.81E+02	1.015E+00	9.128E-01	.3366	.3027	.2429	.2185	1.28E-04	1.15E-04	1.35E-01	2DWN	1587PE	.3914
28	47.100	10.254	.476	6.59E+01	2.382E-01	2.142E-01	.0789	.0710	.0570	.0513	3.01E-05	2.70E-05	3.16E-02	2DWN	1587PE	.0918
29	47.100	10.254	.953	7.49E+00	2.700E-02	2.433E-02	.0090	.0081	.0065	.0058	3.42E-06	3.07E-06	3.59E-03	2DWN	1587PE	.0104
30	47.100	10.254	1.587													
31	54.800	10.254	.475	3.51E+02	1.269E+00	1.141E+00	.4537	.4060	.3038	.2732	1.60E-04	1.44E-04	1.82E-01	2DWN	1587PE	.3401
32	54.800	10.254	.953	1.96E+01	7.099E-02	6.384E-02	.0254	.0228	.0170	.0153	8.96E-06	8.06E-06	1.02E-02	2DWN	1587PE	.0190
33	54.800	10.254	1.587	1.03E+01	3.710E-02	3.343E-02	.0133	.0120	.0089	.0080	4.69E-06	4.22E-06	5.32E-03	2DWN	1587PE	.0100
34	42.100	.238	.476	7.26E+01	2.623E-01	2.359E-01	.0822	.0739	.0628	.0565	3.31E-05	2.98E-05	3.29E-02	2DWN	4762PC	.1053
35	42.100	.238	.953	1.90E+01	6.856E-02	6.166E-02	.0215	.0193	.0164	.0148	8.66E-06	7.79E-06	8.60E-03	2DWN	4762PC	.0275
36	42.100	.238	1.587													
37	47.100	.238	.476	1.09E+02	3.934E-01	3.538E-01	.1304	.1173	.0941	.0847	4.97E-05	4.47E-05	5.22E-02	2DWN	4762PC	.1517
38	47.100	.238	.953	2.91E+00	1.012E-02	9.10EE-03	.0034	.0030	.0024	.0022	1.28E-06	1.15E-06	1.34E-03	2DWN	4762PC	.0039
39	47.100	.238	1.587													

RETROGRADE COPY OF THE ORIGINAL PAGE IS POOR

MAC4 8 V.D. TEST(622), C.9.JOHNSON RSI TILE GAPS, RUN(18) 1972 PAGE 29

Y/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	ML/MTOP
40	54.000	.238	.476	7.48E+01	2.562E-01	2.304E-01	.0915	.0823	.0613	.0551	3.23E-05	2.91E-05	3.67E-02	2DWN	4762PC	.0886
41	54.000	.239	.953	2.39E+01	8.629E-02	7.768E-02	.0308	.0277	.0207	.0186	1.09E-05	9.80E-06	1.23E-02	2DWN	4762PC	.0231
42	54.000	.239	1.587													
43	43.300	5.318	0.000	6.75E+02	2.444E+00	2.137E+00	.7755	.6973	.5849	.5253	3.09E-04	2.77E-04	3.11E-01	2DWN	TILTOP	
44	45.900	5.318	0.000	7.00E+02	2.532E+00	2.277E+00	.8281	.7447	.6061	.5458	3.20E-04	2.88E-04	3.32E-01	2DWN	TILTOP	
45	48.400	5.318	0.000	7.35E+02	2.659E+00	2.391E+00	.8929	.8030	.6364	.5723	3.36E-04	3.02E-04	3.58E-01	2DWN	TILTOP	
46	51.600	5.318	0.000	8.58E+02	3.107E+00	2.793E+00	1.0764	.9678	.7436	.6686	3.92E-04	3.53E-04	4.31E-01	2DWN	TILTOP	
47	54.800	5.318	0.000	1.03E+03	3.727E+00	3.351E+00	1.3303	1.1961	.8921	.8020	4.71E-04	4.23E-04	5.33E-01	2DWN	TILTOP	
48	57.900	5.318	0.000	1.16E+03	4.215E+00	3.790E+00	1.5460	1.3899	1.0090	.9071	5.32E-04	4.79E-04	6.20E-01	2DWN	TILTOP	
49	20.300	-1.508	.476	4.02E+02	1.459E+00	1.311E+00	.3164	.2845	.3491	.3138	1.84E-04	1.66E-04	1.27E-01	3UPS	3175TD	.7166
50	20.300	-1.508	.714	1.27E+02	4.596E-01	4.131E-01	.0997	.0896	.1100	.0989	5.80E-05	5.22E-05	4.03E-02	3UPS	3175TD	.0997
51	20.300	-1.508	.953	2.38E+01	8.637E-02	7.763E-02	.0187	.0168	.0207	.0186	1.09E-05	9.80E-06	7.52E-03	3UPS	3175TD	.0187
52	20.300	-1.508	1.270	3.70E+01	1.341E-01	1.206E-01	.0291	.0262	.0321	.0289	1.69E-05	1.52E-05	1.17E-02	3UPS	3175TD	.0291
53	20.300	-1.508	1.587	3.61E+00	1.310E-02	1.177E-02	.0028	.0026	.0031	.0028	1.65E-06	1.49E-06	1.14E-03	3UPS	3175TD	.0028
54	20.300	-2.778	.476	2.20E+02	7.978E-01	7.172E-01	.1731	.1556	.1910	.1717	1.01E-04	9.08E-05	6.95E-02	3UPS	3175TD	.1732
55	20.300	-2.778	.714	8.21E+01	2.751E-01	2.023E-01	.0688	.0439	.0539	.0484	2.84E-05	2.55E-05	1.96E-02	3UPS	3175TD	.0488
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	1.39E+01	7.230E-02	6.499E-02	.0157	.0141	.0173	.0156	9.13E-06	8.21E-06	6.30E-03	3UPS	3175TD	.0157
58	20.300	-2.778	1.587													
59	20.300	-5.318	.476	1.97E+02	7.156E-01	6.432E-01	.1552	.1395	.1713	.1540	9.03E-05	8.12E-05	6.23E-02	3UPS	3175TD	.1553
60	20.300	-5.318	.714	3.16E+01	1.145E-01	1.029E-01	.0248	.0223	.0274	.0244	1.45E-05	1.30E-05	9.97E-03	3UPS	3175TD	.0249
61	20.300	-5.318	.953	3.68E+01	1.334E-01	1.199E-01	.0289	.0260	.0319	.0284	1.68E-05	1.51E-05	1.16E-02	3UPS	3175TD	.0290
62	20.300	-5.318	1.270	6.22E+00	2.256E-02	2.028E-02	.0049	.0044	.0054	.0049	2.85E-06	2.56E-06	1.96E-03	3UPS	3175TD	.0049
63	20.300	-5.318	1.587													
64	21.600	-10.254	.476	2.73E+02	9.892E-01	8.892E-01	.2213	.1990	.2368	.2128	1.25E-04	1.12E-04	8.89E-02	3UPS	3175PE	.2254
65	21.600	-10.254	.953	1.23E+01	4.462E-02	4.011E-02	.0100	.0090	.0107	.0096	5.63E-06	5.06E-06	4.01E-03	3UPS	3175PE	.0102
66	21.600	-10.254	1.587	8.16E+00	2.958E-02	2.659E-02	.0066	.0060	.0071	.0064	3.74E-06	3.36E-06	2.66E-03	3UPS	3175PE	.0067
67	26.700	-10.254	.476	3.65E+02	1.324E+00	1.190E+00	.2293	.2960	.3168	.2848	1.67E-04	1.50E-04	1.32E-01	3UPS	3175PE	.3672
68	26.700	-10.254	.953	3.88E+01	1.376E-01	1.237E-01	.0343	.0308	.0329	.0296	1.74E-05	1.56E-05	1.37E-02	3UPS	3175PE	.0382
69	26.700	-10.254	1.587	8.35E+00	2.301E-02	2.069E-02	.0057	.0052	.0055	.0050	2.91E-06	2.61E-06	2.30E-03	3UPS	3175PE	.0064
70	34.300	-10.254	.476	4.12E+02	1.493E+00	1.342E+00	.2212	.3787	.3573	.3212	1.89E-04	1.69E-04	1.69E-01	3UPS	3175PE	.5230
71	34.300	-10.254	.953	3.81E+01	1.380E-01	1.241E-01	.0390	.0350	.0330	.0297	1.74E-05	1.57E-05	1.56E-02	3UPS	3175PE	.0483
72	34.300	-10.254	1.587	9.35E+00	3.387E-02	3.046E-02	.0096	.0086	.0081	.0073	4.28E-06	3.85E-06	3.83E-03	3UPS	3175PE	.0119
73	40.600	-1.508	.476	8.39E+01	2.313E-01	2.080E-01	.0711	.0639	.0554	.0498	2.92E-05	2.63E-05	2.85E-02	3UPS	1587TU	.0907
74	40.600	-1.508	.953	2.92E+01	1.057E-01	9.504E-02	.0325	.0292	.0253	.0227	1.33E-05	1.20E-05	1.30E-02	3UPS	1587TU	.0414
75	40.600	-1.508	1.587													
76	40.600	-5.318	.476	1.44E+01	5.201E-02	4.676E-02	.0160	.0144	.0124	.0112	6.57E-06	5.90E-06	6.48E-03	3UPS	1587TU	.0204
77	40.600	-5.318	.953	7.62E+00	2.756E-02	2.478E-02	.0085	.0076	.0066	.0059	3.48E-06	3.13E-06	3.39E-03	3UPS	1587TU	.0108
78	40.600	-5.318	1.587	7.00E+01	2.534E-01	2.278E-01	.0779	.0700	.0606	.0545	3.20E-05	2.88E-05	3.12E-02	3UPS	1587TU	.0993
79	40.800	-1.508	.476	3.42E+01	1.239E-01	1.114E-01	.0382	.0343	.0296	.0267	1.56E-05	1.41E-05	1.53E-02	4DWN	1587TD	.0487
80	40.800	-1.508	.714	1.34E-01	4.840E-04	4.352E-04	.0001	.0001	.0001	.0001	6.11E-08	5.49E-08	5.98E-05	4DWN	1587TD	.0002
81	40.800	-1.508	.953	2.31E+01	8.345E-02	7.504E-02	.0257	.0231	.0200	.0180	1.05E-05	9.47E-06	1.03E-02	4DWN	1587TD	.0328
82	40.800	-1.508	1.270													
83	40.800	-1.508	1.587													
84	40.800	-2.778	.476	2.25E+01	8.128E-02	7.308E-02	.0250	.0225	.0195	.0175	1.03E-05	9.23E-06	1.08E-02	4DWN	1587TD	.0320
85	40.800	-2.778	.714	7.31E-09	2.644E-11	2.377E-11	.0000	.0000	.0000	.0000	3.34E-15	3.00E-15	3.26E-12	4DWN	1587TD	.0000

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(18) 1972 PAGE 30

T/C	X (CM)	Y (CM)	Z (CM)	Q (W ..2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
86	40.800	-2.778	.953	2.36E+01	7.451E-02	6.639E-02	.0230	.0206	.0178	.0160	9.41E-06	8.46E-06	9.20E-03	4DWN	1587TD	.0293
87	40.800	-2.778	1.270	4.21E+00	1.324E-02	1.371E-02	.0047	.0042	.0036	.0033	1.92E-06	1.73E-06	1.88E-03	4DWN	1587TD	.0060
88	40.800	-2.778	1.587	2.99E+01	1.083E-01	9.741E-02	.0334	.0300	.0259	.0233	1.37E-05	1.23E-05	1.34E-02	4DWN	1587TD	.0426
89	40.800	-5.318	.476	4.00E+01	1.449E-01	1.303E-01	.0446	.0401	.0347	.0312	1.83E-05	1.64E-05	1.79E-02	4DWN	1587TD	.0570
90	40.800	-5.318	.714	3.42E+01	1.239E-01	1.114E-01	.0382	.0343	.0296	.0267	1.56E-05	1.41E-05	1.53E-02	4DWN	1587TD	.0487
91	40.800	-5.318	.953	1.63E+01	5.310E-02	4.800E-02	.0162	.0147	.0127	.0115	6.80E-06	6.15E-06	6.40E-03	4DWN	1587TD	.0209
92	40.800	-5.318	1.270	4.53E+00	1.480E-02	1.340E-02	.0045	.0041	.0035	.0032	1.89E-06	1.71E-06	1.80E-03	4DWN	1587TD	.0058
93	40.800	-5.318	1.587	7.99E+00	2.610E-02	2.360E-02	.0080	.0072	.0062	.0056	3.34E-06	3.02E-06	3.20E-03	4DWN	1587TD	.0103
94	42.100	-10.254	.476	4.54E+02	1.485E+00	1.343E+00	.4608	.4166	.3555	.3215	1.90E-04	1.72E-04	1.83E-01	4DWN	3175PE	.5959
96	42.100	-10.254	1.587	1.09E+01	3.540E-02	3.210E-02	.0110	.0100	.0085	.0077	4.54E-06	4.10E-06	4.40E-03	4DWN	3175PE	.0142
97	47.100	-10.254	.476	4.67E+02	1.523E+00	1.378E+00	.5005	.4528	.3645	.3298	1.95E-04	1.76E-04	1.98E-01	4DWN	3175PE	.5873
98	47.100	-10.254	.953	6.20E+01	2.023E-01	1.831E-01	.0665	.0602	.0484	.0438	2.59E-05	2.34E-05	2.63E-02	4DWN	3175PE	.0780
99	47.100	-10.254	1.587	2.22E+01	7.220E-02	6.540E-02	.0238	.0215	.0173	.0157	9.25E-06	8.37E-06	9.40E-03	4DWN	3175PE	.0278
100	54.800	-10.254	.476	5.06E+02	1.632E+00	1.477E+00	.5783	.5233	.3907	.3535	2.09E-04	1.89E-04	2.29E-01	4DWN	3175PE	.4374
102	54.800	-10.254	1.587	4.84E+01	1.579E-01	1.429E-01	.0560	.0507	.0378	.0342	2.02E-05	1.83E-05	2.22E-02	4DWN	3175PE	.0423
103	61.100	-1.508	.476	6.48E+01	2.119E-01	1.917E-01	.0792	.0716	.0507	.0459	2.71E-05	2.45E-05	3.14E-02	4DWN	3175TU	.0451
104	61.100	-1.508	.953	1.78E+01	5.810E-02	5.260E-02	.0217	.0197	.0139	.0126	7.44E-06	6.73E-06	8.60E-03	4DWN	3175TU	.0124
105	61.100	-1.508	1.587	1.06E+01	3.460E-02	3.130E-02	.0129	.0117	.0083	.0075	4.43E-06	4.01E-06	5.10E-03	4DWN	3175TU	.0074
106	61.100	-5.318	.476	1.93E+02	6.316E-01	5.714E-01	.2361	.2136	.1512	.1368	8.09E-05	7.32E-05	9.37E-02	4DWN	3175TU	.1343
107	61.100	-5.318	.953	1.73E+01	5.640E-02	5.100E-02	.0211	.0191	.0135	.0122	7.22E-06	6.53E-06	8.40E-03	4DWN	3175TU	.0120
108	61.100	-5.318	1.587	2.32E+01	7.570E-02	6.850E-02	.0283	.0256	.0181	.0164	9.70E-06	8.77E-06	1.12E-02	4DWN	3175TU	.0161

REFERANCE HEATING CURVE FOR RUN 11

H-REF W/M2-K	1.23E+01	1.20E+01	1.41E+01	1.36E+01	1.56E+01	1.85E+01	2.54E+01	2.88E+01	3.14E+01	3.48E+01	4.15E+01
H-REF W/M2-K	3.23E+01										
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01
AT X(CM)	5.79E+01										

MACH 8 V.D. TEST(622), C.S.JOHNSON RSI TILE GAPS, RUN(11) 1972 PAGE 31

TSTAG(K) = 7.6347E+02
PSTAG(N/M2)= 5.0725E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 1.1018E+07
MACH = 7.760
XNSTREF = .402
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
PARALLEL TILE CONF.
FREE STREAM POSITION
H1 IS FOR TC-19 = 1.2290E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
1	21.600	10.254	.476	7.63E+02	2.158E+00	1.962E+00	.2064	.1877	.1756	.1597	5.38E-05	4.89E-05	8.30E-02	1UPS	1587PE	.1738
2	21.600	10.254	.953	2.01E+02	5.697E-01	5.181E-01	.0545	.0495	.0464	.0422	1.42E-05	1.29E-05	2.19E-02	1UPS	1587PE	.0459
3	21.600	10.254	1.587	7.24E+01	2.047E-01	1.862E-01	.0196	.0178	.0167	.0151	5.10E-06	4.64E-06	7.87E-03	1UPS	1587PE	.0165
4	26.700	10.254	.476	4.78E+02	1.349E+00	1.227E+00	.1437	.1307	.1098	.0999	3.36E-05	3.06E-05	5.77E-02	1UPS	1587PE	.1032
5	26.700	10.254	.953	6.26E+01	1.774E-01	1.614E-01	.0189	.0172	.0144	.0131	4.42E-06	4.02E-06	7.59E-03	1UPS	1587PE	.0136
6	26.700	10.254	1.587	5.89E+01	1.665E-01	1.514E-01	.0177	.0161	.0135	.0123	4.15E-06	3.78E-06	7.12E-03	1UPS	1587PE	.0127
7	34.300	10.254	.476	9.49E+02	2.673E+00	2.432E+00	.3232	.2940	.2175	.1979	6.67E-05	6.07E-05	1.30E-01	1UPS	1587PE	.1717
8	34.300	10.254	.953	9.24E+01	2.605E-01	2.370E-01	.0315	.0286	.0212	.0193	6.49E-06	5.91E-06	1.26E-02	1UPS	1587PE	.0167
9	34.300	10.254	1.587	5.83E+01	1.644E-01	1.496E-01	.0199	.0181	.0134	.0122	4.10E-06	3.73E-06	7.97E-03	1UPS	1587PE	.0105
10	21.600	.238	.476	3.59E+02	1.015E+00	9.234E-01	.0971	.0883	.0826	.0751	2.53E-05	2.30E-05	3.90E-02	1UPS	4762PC	.0818
11	21.600	.238	.953	2.76E+01	7.839E-02	7.124E-02	.0075	.0068	.0064	.0058	1.95E-06	1.78E-06	3.01E-03	1UPS	4762PC	.0063
12	21.600	.238	1.587	8.20E+01	2.359E-01	2.128E-01	.0224	.0204	.0190	.0173	5.83E-06	5.31E-06	9.00E-03	1UPS	4762PC	.0188
13	26.700	.238	.476	8.42E+02	2.371E+00	2.157E+00	.2530	.2302	.1929	.1759	5.91E-05	5.38E-05	1.01E-01	1UPS	4762PC	.1614
14	26.700	.238	.953	8.91E+01	2.510E-01	2.294E-01	.0268	.0244	.0204	.0186	6.26E-06	5.69E-06	1.07E-02	1UPS	4762PC	.0192
15	25.700	.238	1.587	1.71E+01	4.810E-02	4.376E-02	.0051	.0047	.0039	.0036	1.20E-06	1.09E-06	2.06E-03	1UPS	4762PC	.0037
16	34.300	.238	.476	1.04E+03	2.925E+00	2.663E+00	.3551	.3233	.2380	.2167	7.29E-05	6.64E-05	1.42E-01	1UPS	4762PC	.1674
17	34.300	.238	.953													
18	34.300	.239	1.587	1.72E+02	4.875E-01	4.434E-01	.0587	.0534	.0397	.0361	1.22E-05	1.11E-05	2.36E-02	1UPS	4762PC	.0312
19	22.900	5.318	0.000	4.33E+03	1.229E+01	1.117E+01	1.2070	1.0974	1.0000	.9091	3.06E-04	2.79E-04	4.87E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	4.25E+03	1.203E+01	1.094E+01	1.2466	1.1336	.9791	.8904	3.00E-04	2.73E-04	5.02E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	5.00E+03	1.406E+01	1.279E+01	1.5348	1.3967	1.1438	1.0409	3.51E-04	3.19E-04	6.14E-01	1UPS	TILTOP	
22	31.100	5.318	0.000	4.83E+03	1.365E+01	1.241E+01	1.5669	1.4252	1.1103	1.0099	3.40E-04	3.09E-04	6.38E-01	1UPS	TILTOP	
23	34.300	5.318	0.000	5.72E+03	1.559E+01	1.418E+01	1.8734	1.7094	1.2686	1.1538	3.89E-04	3.54E-04	7.56E-01	1UPS	TILTOP	
24	37.500	5.318	0.000	6.55E+03	1.851E+01	1.693E+01	2.3343	2.1233	1.5057	1.3696	4.61E-04	4.20E-04	9.38E-01	1UPS	TILTOP	
25	42.100	10.254	.476	2.99E+03	8.424E+00	7.666E+00	1.1297	1.0281	.6854	.6237	2.10E-04	1.91E-04	4.52E-01	2DWN	1587PE	.3521
26	42.100	10.254	.953	5.07E+02	1.424E+00	1.296E+00	.1912	.1740	.1159	.1055	3.55E-05	3.23E-05	7.65E-02	2DWN	1587PE	.0595
27	42.100	10.254	1.587													
28	47.100	10.254	.476	2.36E+03	6.631E+00	6.036E+00	.9426	.8580	.5396	.4911	1.65E-04	1.51E-04	3.77E-01	2DWN	1587PE	.2208
29	47.100	10.254	.953	9.20E+02	2.585E+00	2.353E+00	.3671	.3341	.2103	.1914	6.45E-05	5.87E-05	1.47E-01	2DWN	1587PE	.0861
30	47.100	10.254	1.587	3.14E+02	8.820E-01	8.026E-01	.1251	.1138	.0718	.0653	2.20E-05	2.00E-05	5.01E-02	2DWN	1587PE	.0294
31	54.800	10.254	.476	4.28E+03	1.205E+01	1.096E+01	1.8408	1.6749	.9801	.8918	3.00E-04	2.73E-04	7.39E-01	2DWN	1587PE	.2987
32	54.800	10.254	.953	1.47E+03	4.124E+00	3.753E+00	.6312	.5744	.3356	.3054	1.03E-04	9.36E-05	2.53E-01	2DWN	1587PE	.0995
33	54.800	10.254	1.587	6.60E+02	1.858E+00	1.691E+00	.2842	.2586	.1512	.1376	4.63E-05	4.22E-05	1.14E-01	2DWN	1587PE	.0448
34	42.100	.238	.476	6.58E+02	1.849E+00	1.676E+00	.2402	.2260	.1497	.1364	4.59E-05	4.18E-05	9.88E-02	2DWN	4762PC	.0769
35	42.100	.238	.953	2.11E+02	5.901E-01	5.374E-01	.0796	.0725	.0480	.0437	1.47E-05	1.34E-05	3.17E-02	2DWN	4762PC	.0247
36	42.100	.238	1.587	8.84E+01	2.475E-01	2.253E-01	.0333	.0304	.0201	.0183	6.17E-06	5.62E-06	1.33E-02	2DWN	4762PC	.0103
37	47.100	.239	.476	1.17E+03	2.989E+00	2.722E+00	.4269	.3889	.2432	.2215	7.45E-05	6.79E-05	1.73E-01	2DWN	4762PC	.0995
38	47.100	.238	.953	2.55E+02	7.111E-01	6.478E-01	.1017	.0926	.0579	.0527	1.77E-05	1.62E-05	4.04E-02	2DWN	4762PC	.0237

MACH 8 V.D. TEST(622), C.H.JOHNSON RSI TILE GAPS, RUN(11) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
39	47.100	.238	1.587	6.89E+01	1.925E-01	1.753E-01	.0275	.0250	.0157	.0143	4.80E-06	4.37E-06	1.09E-02	2DWN	4762PC	.0064
40	54.000	.238	.476	3.17E+01	8.883E+00	8.088E+00	1.3645	1.2424	.7228	.6581	2.22E-04	2.02E-04	5.44E-01	2DWN	4762PC	.2144
41	54.000	.238	.953	7.93E+02	2.218E+00	2.020E+00	.3410	.3106	.1805	.1643	5.53E-05	5.04E-05	1.36E-01	2DWN	4762PC	.0535
42	54.000	.238	1.587	2.84E+02	7.939E-01	7.229E-01	.1220	.1111	.0646	.0588	1.98E-05	1.80E-05	4.86E-02	2DWN	4762PC	.0192
43	43.300	5.318	0.000	8.99E+03	2.537E+01	2.308E+01	3.4411	3.1304	2.0644	1.8779	6.33E-04	5.75E-04	1.38E+00	2DWN	TILTOP	
44	45.900	5.318	0.000	1.02E+04	2.875E+01	2.616E+01	4.0183	3.6557	2.3395	2.1284	7.17E-04	6.52E-04	1.61E+00	2DWN	TILTOP	
45	48.600	5.318	0.000	1.11E+04	3.142E+01	2.858E+01	4.5059	4.0990	2.5566	2.3257	7.83E-04	7.13E-04	1.81E+00	2DWN	TILTOP	
46	51.600	5.319	0.000	1.20E+04	3.400E+01	3.093E+01	5.0274	4.5725	2.7667	2.5164	8.48E-04	7.71E-04	2.02E+00	2DWN	TILTOP	
47	54.600	5.318	0.000	1.26E+04	3.583E+01	3.776E+01	6.3069	5.7336	3.3792	3.0721	1.04E-03	9.41E-04	2.54E+00	2DWN	TILTOP	
48	57.900	5.318	0.000	1.14E+04	3.233E+01	2.940E+01	5.0579	4.5995	2.6306	2.3922	8.06E-04	7.33E-04	2.04E+00	2DWN	TILTOP	
49	20.300	-1.588	.476	1.94E+03	5.504E+00	5.005E+00	.5694	.4632	.4478	.4072	1.37E-04	1.25E-04	2.05E-01	3UPS	3175TD	.4387
50	20.300	-1.588	.714	7.91E+02	2.239E+00	2.036E+00	.2073	.1885	.1622	.1656	5.58E-05	5.08E-05	8.35E-02	3UPS	3175TD	.1784
51	20.300	-1.588	.953	2.98E+02	8.427E-01	7.663E-01	.0780	.0710	.0686	.0624	2.10E-05	1.91E-05	3.14E-02	3UPS	3175TD	.0672
52	20.300	-1.589	1.270	9.14E+01	2.587E-01	2.353E-01	.0240	.0218	.0211	.0191	6.45E-06	5.87E-06	9.65E-03	3UPS	3175TD	.0206
53	20.300	-1.588	1.587	1.27E+02	3.602E-01	3.275E-01	.0333	.0303	.0293	.0267	8.98E-06	8.17E-06	1.34E-02	3UPS	3175TD	.0287
54	20.300	-2.778	.476	1.15E+03	3.248E+00	2.953E+00	.3008	.2735	.2643	.2403	8.10E-05	7.36E-05	1.21E-01	3UPS	3175TD	.2589
55	20.300	-2.778	.714	3.52E+02	9.954E-01	9.052E-01	.0922	.0838	.0810	.0737	2.48E-05	2.26E-05	3.71E-02	3UPS	3175TD	.0793
56	20.300	-2.778	.953	9.80E+01	2.776E-01	2.524E-01	.0257	.0234	.0226	.0205	6.92E-06	6.29E-06	1.03E-02	3UPS	3175TD	.0221
57	20.300	-2.778	1.270	7.01E+00	2.156E-02	1.960E-02	.0020	.0018	.0018	.0016	5.38E-07	4.89E-07	8.04E-04	3UPS	3175TD	.0017
58	20.300	-2.778	1.587	6.79E+02	1.922E+00	1.748E+00	.1781	.1620	.1564	.1422	4.79E-05	4.36E-05	7.17E-02	3UPS	3175TD	.1532
59	20.300	-5.318	.476	7.76E+01	2.196E-01	1.997E-01	.0203	.0185	.0179	.0162	5.48E-06	4.98E-06	8.19E-03	3UPS	3175TD	.0175
60	20.300	-5.318	.714	1.42E+01	4.021E-02	3.657E-02	.0037	.0034	.0033	.0030	1.00E-06	9.12E-07	1.50E-03	3UPS	3175TD	.0032
61	20.300	-5.318	.953	3.92E+01	1.108E-01	1.008E-01	.0103	.0093	.0090	.0082	2.76E-06	2.51E-06	4.13E-03	3UPS	3175TD	.0088
62	20.300	-5.319	1.270	1.54E+01	4.437E-02	4.035E-02	.0041	.0038	.0036	.0033	1.10E-06	1.00E-06	1.65E-03	3UPS	3175TD	.0035
63	20.300	-5.318	1.587	3.35E+02	9.437E-01	8.585E-01	.0904	.0823	.0768	.0699	2.35E-05	2.14E-05	3.63E-02	3UPS	3175PE	.0760
64	21.600	-10.254	.476	9.59E+01	2.705E-01	2.461E-01	.0259	.0236	.0220	.0200	6.74E-06	6.14E-06	1.04E-02	3UPS	3175PE	.0218
65	21.600	-10.254	.953	8.70E+01	2.455E-01	2.233E-01	.0235	.0214	.0200	.0182	6.12E-06	5.57E-06	9.44E-03	3UPS	3175PE	.0198
66	21.600	-10.254	1.587	2.739E+00	2.492E+00	2.492E+00	.2920	.2656	.2229	.2027	6.83E-05	6.21E-05	1.17E-01	3UPS	3175PE	.2095
67	26.700	-10.254	.476	1.67E+02	4.705E-01	4.281E-01	.0502	.0457	.0383	.0348	1.17E-05	1.07E-05	2.01E-02	3UPS	3175PE	.0360
68	26.700	-10.254	.953	7.27E+01	2.046E-01	1.862E-01	.0218	.0199	.0167	.0152	5.10E-06	4.64E-06	8.75E-03	3UPS	3175PE	.0157
69	26.700	-10.254	1.587	3.78E+03	1.067E+01	9.711E+00	1.2891	1.1727	.8686	.7902	2.66E-04	2.42E-04	5.17E-01	3UPS	3175PE	.6842
70	34.300	-10.254	.476	8.55E+02	2.405E+00	2.186E+00	.2912	.2650	.1957	.1781	6.00E-05	5.46E-05	1.17E-01	3UPS	3175PE	.1541
71	34.300	-10.254	.953	4.38E+02	1.230E+00	1.120E+00	.1491	.1357	.1001	.0911	3.07E-05	2.79E-05	5.98E-02	3UPS	3175PE	.0788
72	34.300	-10.254	1.587	3.99E+02	1.093E+00	9.938E-01	.1441	.1312	.0987	.0898	2.72E-05	2.48E-05	5.75E-02	3UPS	1587TU	.0492
73	40.600	-1.589	.476	1.39E+02	3.904E-01	3.554E-01	.0516	.0470	.0319	.0289	9.74E-06	8.86E-06	2.06E-02	3UPS	1587TU	.0176
74	40.600	-1.589	.953													
75	40.600	-1.588	1.587													
76	40.600	-5.319	.476	1.44E+02	4.037E-01	3.676E-01	.0533	.0485	.0329	.0299	1.01E-05	9.17E-06	2.13E-02	3UPS	1587TU	.0182
77	40.600	-5.319	.953	8.01E+01	2.240E-01	2.044E-01	.0297	.0270	.0183	.0166	5.60E-06	5.10E-06	1.18E-02	3UPS	1587TU	.0101
78	40.600	-5.318	1.587	2.22E+02	6.243E-01	5.683E-01	.0823	.0749	.0508	.0462	1.56E-05	1.42E-05	3.29E-02	3UPS	1587TU	.0282
79	40.600	-1.588	.476	1.05E+02	2.927E-01	2.665E-01	.0388	.0353	.0238	.0217	7.30E-06	6.65E-06	1.55E-02	4DWN	1587TD	.0131
80	40.600	-1.588	.714	4.72E+00	1.324E-02	1.205E-02	.0018	.0016	.0011	.0010	3.30E-07	3.00E-07	7.00E-04	4DWN	1587TD	.0006
81	40.600	-1.589	.953	5.66E+01	1.595E-02	1.443E-02	.0021	.0019	.0013	.0012	3.95E-07	3.60E-07	8.38E-04	4DWN	1587TD	.0007
82	40.600	-1.589	1.270	1.80E+01	5.035E-02	4.584E-02	.0067	.0061	.0041	.0037	1.26E-06	1.14E-06	2.66E-03	4DWN	1587TD	.0022
83	40.600	-1.589	1.587													
84	40.600	-2.778	.476	1.06E+02	2.978E-01	2.712E-01	.0395	.0359	.0242	.0221	7.43E-06	6.76E-06	1.57E-02	4DWN	1587TD	.0133

MACH 8 V.O. TEST(522), C.F.JOHNSON RSI TILE GAPS, RUN(11) 1972 PAGE 33

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
85	40.800	-2.778	.714	2.16E+01	5.097E-02	5.551E-02	.0081	.0074	.0050	.0045	1.52E-06	1.38E-06	3.22E-03	4DWN	1587TD	.0027
86	40.800	-2.778	.953	2.93E+01	8.209E-02	7.474E-02	.0109	.0099	.0067	.0061	2.05E-06	1.86E-06	4.34E-03	4DWN	1587TD	.0037
87	40.800	-2.778	1.270	2.86E+01	8.010E-02	7.292E-02	.0106	.0097	.0065	.0059	2.00E-06	1.82E-06	4.23E-03	4DWN	1587TD	.0036
88	40.800	-2.778	1.587	8.84E+01	2.483E-01	2.258E-01	.0328	.0299	.0202	.0184	6.18E-06	5.63E-06	1.31E-02	4DWN	1587TD	.0111
89	40.800	-5.319	.476	1.57E+02	4.399E-01	4.005E-01	.0583	.0530	.0358	.0326	1.10E-05	9.99E-06	2.32E-02	4DWN	1587TD	.0196
90	40.800	-5.318	.714	4.65E+01	1.304E-01	1.188E-01	.0173	.0157	.0106	.0097	3.25E-06	2.96E-06	6.89E-03	4DWN	1587TD	.0058
91	40.800	-5.318	.953	5.35E+01	1.740E-01	1.591E-01	.0239	.0217	.0142	.0129	4.43E-06	4.02E-06	9.50E-03	4DWN	1587TD	.0078
92	40.800	-5.318	1.270	4.06E+00	1.210E-02	1.130E-02	.0017	.0015	.0010	.0009	3.07E-07	2.78E-07	7.00E-04	4DWN	1587TD	.0005
94	42.100	-10.254	.476	5.83E+03	2.040E+01	1.852E+01	2.8364	2.5748	1.6596	1.5067	5.19E-04	4.71E-04	1.13E+00	4DWN	3175PE	.8525
96	42.100	-10.254	1.587	4.61E+02	1.370E+00	1.245E+00	.1914	.1738	.1115	.1013	3.49E-05	3.17E-05	7.58E-02	4DWN	3175PE	.0573
97	47.100	-10.254	.476	7.04E+03	2.094E+01	1.902E+01	3.0931	2.8099	1.7035	1.5476	5.33E-04	4.84E-04	1.22E+00	4DWN	3175PE	.6978
98	47.100	-10.254	.953	3.60E+03	1.069E+01	9.714E+00	1.5811	1.4365	.8700	.7904	2.72E-04	2.47E-04	6.25E-01	4DWN	3175PF	.3560
99	47.100	-10.254	1.587	1.23E+03	3.653E+00	3.319E+00	.5407	.4913	.2972	.2701	9.30E-05	8.45E-05	2.14E-01	4DWN	3175PE	.1216
100	54.800	-10.254	.476	4.73E+03	1.403E+01	1.274E+01	2.2381	2.0336	1.1412	1.0369	3.57E-04	3.24E-04	8.85E-01	4DWN	3175PE	.3385
102	54.800	-10.254	1.587	1.12E+04	3.533E+00	3.210E+00	.5634	.5118	.2875	.2612	8.99E-05	8.17E-05	2.23E-01	4DWN	3175PE	.0853
103	61.100	-1.508	.476	2.05E+03	6.133E+00	5.543E+00	1.0256	.9318	.4966	.4518	1.55E-04	1.41E-04	4.06E-01	4DWN	3175TU	.2633
104	61.100	-1.508	.953	9.30E+02	2.825E+00	2.566E+00	.4751	.4315	.2299	.2088	7.19E-05	6.53E-05	1.88E-01	4DWN	3175TU	.1219
105	61.100	-1.508	1.587	2.42E+02	7.186E-01	6.527E-01	.1208	.1097	.0583	.0531	1.83E-05	1.66E-05	4.79E-02	4DWN	3175TU	.0310
106	61.100	-5.318	.476	6.23E+02	1.854E+00	1.684E+00	.3118	.2833	.1503	.1378	4.72E-05	4.29E-05	1.23E-01	4DWN	3175TU	.0800
107	61.100	-5.318	.953	2.21E+02	6.585E-01	5.981E-01	.1107	.1005	.0536	.0487	1.68E-05	1.52E-05	4.39E-02	4DWN	3175TU	.0284
108	61.100	-5.318	1.587	3.22E+02	9.595E-01	8.714E-01	.1611	.1463	.0781	.0709	2.44E-05	2.22E-05	6.39E-02	4DWN	3175TU	.0414

REFERANCE HEATING CURVE FOR RUN 12

H-REF W/M2-K	2.39E+01	2.88E+01	3.74E+01	4.37E+01	5.20E+01	5.41E+01	5.59E+01	5.58E+01	5.48E+01	5.29E+01	5.96E+01	
H-REF W/M2-K	6.99E+01											
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	3.75E+01	4.33E+01	4.59E+01	4.84E+01	5.16E+01	5.48E+01	
AT X(CM)	5.79E+01											

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(12) 1972 PAGE 34

TSTAG(K) = 7.6229E+02
PSTAG(N/M2)= 1.0133E+07
Q CODE = 1
DEG OF FIT = 1
RL/METER = 2.1884E+07
MACH = 8.000
XNSTREF = .402
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
PARALLEL TILE CONF.
FREE STREAM POSITION
H1 IS FOR TC-19 = 2.3910E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
1	21.600	10.254	.476	1.24E+03	3.520E+00	3.200E+00	.2425	.2204	.1472	.1338	4.49E-05	4.08E-05	9.74E-02	1UPS	1587PE	.1609
2	21.600	10.254	.953	1.51E+02	4.296E-01	3.906E-01	.0296	.0269	.0180	.0163	5.48E-06	4.98E-06	1.19E-02	1UPS	1587PE	.0196
3	21.600	10.254	1.587	7.21E+00	2.049E-02	1.863E-02	.0014	.0013	.0009	.0008	2.61E-07	2.38E-07	5.67E-04	1UPS	1587PE	.0009
4	26.700	10.254	.476	1.03E+03	2.930E+00	2.664E+00	.2247	.2044	.1225	.1114	3.74E-05	3.40E-05	9.01E-02	1UPS	1587PE	.0892
5	26.700	10.254	.953	1.47E+01	4.166E-02	3.788E-02	.0032	.0029	.0017	.0016	5.31E-07	4.83E-07	1.28E-03	1UPS	1587PE	.0013
6	26.700	10.254	1.587	1.43E+02	4.059E-01	3.691E-01	.0311	.0283	.0170	.0154	5.18E-06	4.71E-06	1.25E-02	1UPS	1587PE	.0124
7	34.300	10.254	.476	3.00E+03	8.525E+00	7.751E+00	.7405	.6732	.3566	.3242	1.09E-04	9.88E-05	2.97E-01	1UPS	1587PE	.1640
8	34.300	10.254	.953	5.89E+02	1.671E+00	1.519E+00	.1453	.1322	.0699	.0635	2.13E-05	1.94E-05	5.83E-02	1UPS	1587PE	.0321
9	34.300	10.254	1.587	1.50E+02	4.544E-01	4.132E-01	.0395	.0359	.0190	.0173	5.79E-06	5.27E-06	1.58E-02	1UPS	1587PE	.0087
10	21.600	.238	.476	3.73E+02	1.060E+00	9.636E-01	.0730	.0664	.0443	.0403	1.35E-05	1.23E-05	2.93E-02	1UPS	4762PC	.0485
11	21.600	.238	.953													
12	21.600	.238	1.587	4.85E+01	1.377E-01	1.252E-01	.0095	.0086	.0058	.0052	1.76E-06	1.60E-06	3.81E-03	1UPS	4762PC	.0063
13	26.700	.238	.476	2.34E+03	6.637E+00	6.036E+00	.5098	.4636	.2776	.2525	8.46E-05	7.70E-05	2.04E-01	1UPS	4762PC	.2521
14	26.700	.238	.953	1.99E+02	5.646E-01	5.135E-01	.0434	.0395	.0236	.0215	7.20E-06	6.55E-06	1.74E-02	1UPS	4762PC	.0172
15	26.700	.238	1.587	6.74E+01	1.908E-01	1.736E-01	.0147	.0133	.0080	.0073	2.43E-06	2.21E-06	5.87E-03	1UPS	4762PC	.0058
16	34.300	.238	.476	9.84E+03	2.785E+01	2.533E+01	2.4252	2.2057	1.1647	1.0593	3.55E-04	3.23E-04	9.71E-01	1UPS	4762PC	.5357
17	34.300	.238	.953													
18	34.300	.238	1.587	1.43E+03	4.053E+00	3.684E+00	.3516	.3196	.1695	.1541	5.17E-05	4.70E-05	1.41E-01	1UPS	4762PC	.0780
19	22.900	5.318	0.000	8.35E+03	2.391E+01	2.172E+01	1.6844	1.5299	1.0000	.9082	3.05E-04	2.77E-04	6.81E-01	1UPS	TILTOP	
20	25.400	5.318	0.000	9.79E+03	2.803E+01	2.546E+01	2.0799	1.8892	1.1722	1.0647	3.57E-04	3.25E-04	8.41E-01	1UPS	TILTOP	
21	27.900	5.318	0.000	1.31E+04	3.742E+01	3.400E+01	2.9284	2.6538	1.5650	1.4222	4.77E-04	4.34E-04	1.18E+00	1UPS	TILTOP	
22	31.100	5.318	0.000	1.52E+04	4.371E+01	3.969E+01	3.5787	3.2493	1.8282	1.6599	5.57E-04	5.06E-04	1.45E+00	1UPS	TILTOP	
23	34.300	5.318	0.000	1.80E+04	5.198E+01	4.717E+01	4.4544	4.0426	2.1739	1.9729	6.63E-04	6.02E-04	1.81E+00	1UPS	TILTOP	
24	37.500	5.318	0.000	1.88E+04	5.411E+01	4.912E+01	4.8559	4.4079	2.2636	2.0542	6.90E-04	6.26E-04	1.97E+00	1UPS	TILTOP	
25	42.100	10.254	.476	1.08E+04	3.089E+01	2.807E+01	2.9000	2.6915	1.2919	1.1739	3.94E-04	3.58E-04	1.19E+00	2DWN	1587PE	.5566
26	42.100	10.254	.953	3.43E+03	9.719E+00	8.817E+00	.9359	.8509	.4065	.3696	1.24E-04	1.13E-04	3.75E-01	2DWN	1587PE	.1751
27	42.100	10.254	1.587													
28	47.100	10.254	.476	1.34E+04	3.809E+01	3.461E+01	3.8666	3.5142	1.5929	1.4477	4.86E-04	4.41E-04	1.56E+00	2DWN	1587PE	.6989
29	47.100	10.254	.953	7.39E+03	2.100E+01	1.909E+01	2.1369	1.9427	.8784	.7986	2.68E-04	2.43E-04	8.58E-01	2DWN	1587PE	.3854
30	47.100	10.254	1.587	2.56E+03	7.268E+00	6.609E+00	.7411	.6739	.3040	.2764	9.27E-05	8.43E-05	2.97E-01	2DWN	1587PE	.1334
31	54.800	10.254	.476	8.38E+03	2.379E+01	2.163E+01	2.6128	2.3755	.9951	.9047	3.03E-04	2.76E-04	1.05E+00	2DWN	1587PE	.3997
32	54.800	10.254	.953	4.89E+03	1.386E+01	1.260E+01	1.5251	1.3871	.5795	.5271	1.77E-04	1.61E-04	6.11E-01	2DWN	1587PE	.2328
33	54.800	10.254	1.587	2.04E+03	5.777E+00	5.254E+00	.6360	.5784	.2416	.2198	7.37E-05	6.70E-05	2.55E-01	2DWN	1587PE	.0971
34	42.100	.238	.476	1.06E+04	2.998E+01	2.727E+01	2.8956	2.6339	1.2538	1.1405	3.82E-04	3.48E-04	1.16E+00	2DWN	4762PC	.5402
35	42.100	.238	.953	7.62E+03	2.150E+01	1.956E+01	2.0807	1.8931	.8992	.8182	2.74E-04	2.49E-04	8.31E-01	2DWN	4762PC	.3875
36	42.100	.238	1.587	4.22E+03	1.189E+01	1.082E+01	1.1512	1.0475	.4975	.4526	1.52E-04	1.38E-04	4.60E-01	2DWN	4762PC	.2144
37	47.100	.238	.476	1.14E+04	3.209E+01	2.920E+01	3.2814	2.9852	1.3423	1.2211	4.09E-04	3.72E-04	1.31E+00	2DWN	4762PC	.5869
38	47.100	.238	.953	6.85E+03	1.926E+01	1.753E+01	1.9771	1.7996	.8854	.7331	2.46E-04	2.24E-04	7.87E-01	2DWN	4762PC	.3534

MACH 8 V.D. TEST(622), C.B.JOHNSON RSI TILE GAPS, RUN(12) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/HR	MT/HR	ML/H1	MT/H1	STL	STT	STREL	TILE	GAP	ML/MTOP
39	47.100	.238	1.587	4.45E+03	1.254E+01	1.141E+01	1.2850	1.1694	.5245	.4772	1.60E-04	1.46E-04	5.12E-01	2DWN	4762PC	.2301
40	54.800	.238	.476	6.12E+03	1.730E+01	1.574E+01	1.9057	1.7334	.7236	.6581	2.21E-04	2.01E-04	7.63E-01	2DWN	4762PC	.2987
41	54.800	.238	.953	3.75E+03	1.057E+01	9.613E+00	1.1667	1.0615	.4419	.4021	1.35E-04	1.23E-04	4.66E-01	2DWN	4762PC	.1775
42	54.800	.238	1.587	2.45E+03	6.905E+00	6.283E+00	.7629	.6942	.2888	.2628	8.81E-05	8.01E-05	3.04E-01	2DWN	4762PC	.1160
43	43.300	5.318	0.000	1.94E+04	5.596E+01	5.072E+01	5.3958	4.8991	2.3362	2.1211	7.12E-04	6.47E-04	2.19E+00	2DWN	TILTOP	
44	45.900	5.318	0.000	1.92E+04	5.499E+01	4.934E+01	5.4825	4.9794	2.2993	2.0888	7.01E-04	6.37E-04	2.22E+00	2DWN	TILTOP	
45	48.400	5.318	0.000	1.88E+04	5.396E+01	4.901E+01	5.5264	5.0194	2.2570	2.0499	6.88E-04	6.25E-04	2.24E+00	2DWN	TILTOP	
46	51.600	5.318	0.000	1.85E+04	5.291E+01	4.805E+01	5.5921	5.0789	2.2127	2.0096	6.75E-04	6.13E-04	2.26E+00	2DWN	TILTOP	
47	54.800	5.318	0.000	2.08E+04	5.963E+01	5.415E+01	6.4890	5.8926	2.4938	2.2646	7.60E-04	6.90E-04	2.63E+00	2DWN	TILTOP	
48	57.900	5.318	0.000	1.74E+04	4.995E+01	4.537E+01	5.5962	5.0830	2.0891	1.8975	6.37E-04	5.79E-04	2.26E+00	2DWN	TILTOP	
49	20.300	-1.508	.476	3.34E+03	9.513E+00	8.645E+00	.6333	.5755	.3979	.3615	1.21E-04	1.10E-04	2.55E-01	3UPS	3175TD	.4814
50	20.300	-1.508	.714	1.59E+03	4.523E+00	4.111E+00	.3016	.2741	.1891	.1719	5.77E-05	5.24E-05	1.21E-01	3UPS	3175TD	.2289
51	20.300	-1.508	.953	7.73E+02	2.198E+00	1.998E+00	.1467	.1333	.0919	.0836	2.80E-05	2.55E-05	5.90E-02	3UPS	3175TD	.1113
52	20.300	-1.508	1.270	5.23E+02	1.487E+00	1.352E+00	.0992	.0902	.0622	.0565	1.90E-05	1.72E-05	3.99E-02	3UPS	3175TD	.0752
53	20.300	-1.508	1.587	3.69E+02	1.049E+00	9.536E-01	.0700	.0636	.0439	.0399	1.34E-05	1.22E-05	2.81E-02	3UPS	3175TD	.0531
54	20.300	-2.778	.476	2.02E+03	5.748E+00	5.224E+00	.3833	.3483	.2404	.2185	7.33E-05	6.66E-05	1.54E-01	3UPS	3175TD	.2909
55	20.300	-2.778	.714	8.21E+02	2.334E+00	2.121E+00	.1557	.1416	.0976	.0887	[illegible]E-05	2.71E-05	6.26E-02	3UPS	3175TD	.1181
56	20.300	-2.778	.953													
57	20.300	-2.778	1.270	2.62E+02	7.459E-01	6.780E-01	.0498	.0452	.0312	.0284	9.51E-06	8.65E-06	2.00E-02	3UPS	3175TD	.0377
58	20.300	-2.778	1.587	2.00E+02	5.703E-01	5.184E-01	.0380	.0346	.0239	.0217	7.27E-06	6.61E-06	1.53E-02	3UPS	3175TD	.0289
59	20.300	-5.318	.476	1.15E+03	3.276E+00	2.976E+00	.2186	.1988	.1370	.1246	4.18E-05	3.80E-05	8.79E-02	3UPS	3175TD	.1659
60	20.300	-5.318	.714	2.46E+02	6.998E-01	6.362E-01	.0467	.0425	.0293	.0266	8.92E-06	8.11E-06	1.88E-02	3UPS	3175TD	.0354
61	20.300	-5.318	.953	2.20E+00	6.259E-03	5.690E-03	.0004	.0004	.0003	.0002	7.98E-08	7.26E-08	1.68E-04	3UPS	3175TD	.0003
62	20.300	-5.319	1.270	1.90E+02	5.415E-01	4.922E-01	.0361	.0329	.0226	.0206	6.90E-06	6.28E-06	1.45E-02	3UPS	3175TD	.0274
63	20.300	-5.318	1.587	3.06E+02	8.690E-01	7.899E-01	.0580	.0527	.0363	.0330	1.11E-05	1.01E-05	2.33E-02	3UPS	3175TD	.0440
64	21.600-10.254		.476	6.37E+02	1.952E+00	1.774E+00	.1345	.1223	.0816	.0742	2.49E-05	2.26E-05	5.40E-02	3UPS	3175PE	.0892
65	21.600-10.254		.953	2.44E+02	6.910E-01	6.293E-01	.0477	.0434	.0289	.0263	8.81E-06	8.01E-06	1.91E-02	3UPS	3175PE	.0316
66	21.600-10.254		1.587	1.56E+02	4.417E-01	4.016E-01	.0305	.0277	.0185	.0168	5.63E-06	5.12E-06	1.22E-02	3UPS	3175PE	.0202
67	26.700-10.254		.476	3.89E+02	1.106E+01	1.006E+01	.6463	.7892	.4627	.4206	1.41E-04	1.28E-04	3.43E-01	3UPS	3175PE	.3368
68	26.700-10.254		.953	1.12E+03	3.166E+00	2.879E+00	.2430	.2210	.1324	.1204	4.04E-05	3.67E-05	9.74E-02	3UPS	3175PE	.0964
69	26.700-10.254		1.587	3.81E+02	1.079E+00	9.816E-01	.0829	.0754	.0451	.0411	1.38E-05	1.25E-05	3.32E-02	3UPS	3175PE	.0329
70	34.300-10.254		.476	1.41E+04	4.063E+01	3.688E+01	3.4685	3.1668	1.6992	1.5425	5.18E-04	4.70E-04	1.42E+00	3UPS	3175PE	.7815
71	34.300-10.254		.953	9.45E+03	2.698E+01	2.451E+01	2.3321	2.1190	1.1283	1.0251	3.44E-04	3.13E-04	9.41E-01	3UPS	3175PE	.5189
72	34.300-10.254		1.587	4.92E+03	1.400E+01	1.273E+01	1.2148	1.1043	.5856	.5323	1.79E-04	1.62E-04	4.88E-01	3UPS	3175PE	.2693
73	40.600 -1.509		.476	1.13E+03	3.185F+00	2.899E+00	.3030	.2757	.1332	.1212	4.06E-05	3.70E-05	1.21E-01	3UPS	1587TU	.0579
74	40.600 -1.508		.953	6.48E+02	2.390E+00	2.175E+00	.2273	.2068	.1000	.0910	3.05E-05	2.77E-05	9.07E-02	3UPS	1587TU	.0434
75	40.600 -1.508		1.587	1.05E+03	2.972E+00	2.704E+00	.2825	.2570	.1243	.1131	3.79E-05	3.45E-05	1.13E-01	3UPS	1587TU	.0540
76	40.600 -5.318		.476	5.30E+02	1.435E+00	1.360E+00	.1420	.1292	.0625	.0569	1.91E-05	1.73E-05	5.67E-02	3UPS	1587TU	.0272
77	40.600 -5.318		.953	4.49E+02	1.268E+00	1.154E+00	.1205	.1096	.0530	.0483	1.62E-05	1.47E-05	4.81E-02	3UPS	1587TU	.0230
78	40.600 -5.319		1.587	4.91E+02	1.397E+00	1.262E+00	.1316	.1197	.0580	.0528	1.77E-05	1.61E-05	5.26E-02	3UPS	1587TU	.0252
79	40.800 -1.508		.476	5.92E+02	1.667E+00	1.517E+00	.1591	.1448	.0697	.0635	2.13E-05	1.93E-05	6.34E-02	4DWN	1587TD	.0303
80	40.800 -1.509		.714	6.13E+02	1.720E+00	1.572E+00	.1648	.1500	.0723	.0658	2.20E-05	2.01E-05	6.57E-02	4DWN	1587TD	.0314
81	40.800 -1.508		.953	7.78E+02	2.193E+00	1.995E+00	.2091	.1903	.0917	.0834	2.80E-05	2.54E-05	8.34E-02	4DWN	1587TD	.0398
82	40.800 -1.509		1.270	1.01E+03	2.847E+00	2.591F+00	.2714	.2469	.1191	.1084	3.63E-05	3.30E-05	1.08E-01	4DWN	1587TD	.0517
83	40.800 -1.508		1.587	1.04E+03	2.940E+00	2.675E+00	.2800	.2547	.1230	.1119	3.75E-05	3.41E-05	1.12E-01	4DWN	1587TD	.0534
84	40.800 -2.778		.476	4.52E+02	1.274E+00	1.159E+00	.1216	.1106	.0533	.0485	1.62E-05	1.48E-05	4.85E-02	4DWN	1587TD	.0231

MACH 8 V.O. TEST(622), C.B.JOHNSON PSI TILE GAPS, RUN(12) 1972 PAGE 36

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STRFL	TILE	GAP	HL/HTDP
85	40.600	-2.774	.714	4.20E+02	1.182E+00	1.076E+00	.1128	.1026	.0490	.0450	1.51E-05	1.37E-05	4.50E-02	4DWN	1597TD	.0219
86	40.600	-2.774	.959	4.32E+02	1.217E+00	1.107E+00	.1160	.1056	.0505	.0463	1.55E-05	1.41E-05	4.63E-02	4DWN	1597TD	.0221
87	40.600	-2.774	1.271	4.15E+02	1.175E+00	1.069E+00	.1119	.1018	.0491	.0447	1.50E-05	1.36E-05	4.47E-02	4DWN	1597TD	.0218
88	40.600	-2.774	1.587	4.16E+02	1.175E+00	1.069E+00	.1120	.1019	.0492	.0447	1.50E-05	1.36E-05	4.47E-02	4DWN	1597TD	.0218
89	40.600	-5.319	.476	4.12E+02	1.163E+00	1.058E+00	.1138	.1038	.0486	.0442	1.49E-05	1.35E-05	4.42E-02	4DWN	1597TD	.0211
90	40.600	-5.319	.714	2.87E+02	8.090E-01	7.361E-01	.0771	.0701	.0338	.0308	1.01E-05	9.19E-06	3.01E-02	4DWN	1597TD	.0147
91	40.600	-5.319	.959	2.80E+02	7.920E-01	7.210E-01	.0754	.0687	.0331	.0301	9.88E-06	8.99E-06	2.95E-02	4DWN	1597TD	.0144
92	40.600	-5.319	1.270	1.15E+02	3.277E-01	2.807E-01	.0794	.0268	.0123	.0117	3.96E-06	3.61E-06	1.18E-02	4DWN	1597TD	.0056
93	40.600	-5.319	1.587	5.94E+01	1.692E-01	1.452E-01	.0152	.0139	.0067	.0061	2.03E-06	1.87E-06	6.30E-03	4DWN	1597TD	.0029
94	42.100	-1.334	.476	2.04E+02	2.286E+01	5.083E+01	5.7150	4.8306	.9963	2.1257	7.19E-04	6.54E-04	2.14E+00	4DWN	3175PE	.4123
95	42.100	-1.334	1.587	5.44E+01	1.470E+01	1.340E+01	1.4195	1.2899	.6143	.5603	1.89E-04	1.72E-04	5.62E-01	4DWN	3175PE	.2643
97	47.100	-13.254	.476	1.90E+02	5.101E+01	4.730E+01	5.2279	4.7604	2.1582	1.9055	6.64E-04	6.05E-04	2.03E+00	4DWN	3175PE	.3471
98	47.100	-13.254	.959	1.36E+02	3.689E+01	3.360E+01	3.7375	3.4034	1.5430	1.4051	4.75E-04	4.32E-04	1.49E+00	4DWN	3175PE	.6772
99	47.100	-13.254	1.587	7.13E+01	1.918E+01	1.747E+01	1.9431	1.7797	.8020	.7308	2.47E-04	2.25E-04	7.78E-01	4DWN	3175PE	.3519
100	54.800	-13.254	.476	1.11E+04	3.181E+01	2.825E+01	3.4050	3.1027	1.2968	.1817	3.97E-04	3.64E-04	1.35E+00	4DWN	3175PE	.5239
102	54.800	-13.254	1.587	4.23E+03	1.181E+01	1.076E+01	1.2594	1.1843	.4939	.4502	1.51E-04	1.39E-04	5.15E-01	4DWN	3175PE	.1984
103	61.100	-5.319	.476	9.21E+03	1.401E+01	1.278E+01	1.6331	1.4891	.5861	.5344	1.81E-04	1.64E-04	6.45E-01	4DWN	3175TU	.3479
104	61.100	-5.319	.959	3.52E+03	8.457E+00	8.624E+00	1.1030	1.0059	.3955	.3607	1.22E-04	1.11E-04	4.35E-01	4DWN	3175TU	.2341
105	61.100	-5.319	1.587	1.11E+03	2.989E+00	2.726E+00	.3498	.3181	.1250	.1140	3.85E-05	3.51E-05	1.38E-01	4DWN	3175TU	.3741
106	61.100	-5.319	.476	2.00E+03	5.383E+00	4.909E+00	.6279	.5726	.2252	.2053	6.93E-05	6.32E-05	2.49E-01	4DWN	3175TU	.1335
107	61.100	-5.319	.959	1.03E+03	2.663E+00	2.452E+00	.3136	.2859	.1124	.1026	3.46E-05	3.16E-05	1.24E-01	4DWN	3175TU	.8667
108	61.100	-5.319	1.587	9.66E+02	2.599E+00	2.369E+00	.3028	.2761	.1087	.0991	3.34E-05	3.05E-05	1.20E-01	4DWN	3175TU	.8644

REFERANCE HEATING CURVE FOR RUN 42										
H-REF W/M2-K	1.80E+00	1.79E+00	1.90E+00	1.95E+00	2.03E+00	1.91E+00	2.00E+00	1.82E+00	1.89E+00	1.52E+00	1.69E+00
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.60E+01	4.86E+01	5.17E+01	5.49E+01	5.81E+01

MACH 8 V.D. TEST(62 ... RSI TILE GAPS, RUN(42) 1972

TSTAG(K) = 6.78.
PSTAG(N/M2) = 3.35?
Q CODE = 1
DEG OF FIT = 1
RE/METER = 9.6.
MACH = ..54
XNSTRFF = .40?
TAW/TT =SQRT(PR) FOR ...
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-33 = 1.7980E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	HT (W/M2-K)	ML/HR	HT/HR	ML/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
1	40.790	3.000	.238	3.90E+02	1.409E+00	1.268E+00	.6225	.5595	.7836	.7043	3.94E-04	3.54E-04	2.52E-01	4DWN	3175ST	.6513
2	40.790	0.000	.476	2.49E+02	9.014E-01	8.102E-01	.3984	.3581	.5014	.4506	2.52E-04	2.26E-04	1.61E-01	4DWN	3175ST	.4167
3	40.790	3.000	.714	7.67E+01	2.773E-01	2.496E-01	.1225	.1101	.1541	.1385	7.74E-05	6.96E-05	4.96E-02	4DWN	3175ST	.1281
4	40.790	0.000	.953	3.88E+01	1.399E-01	1.258E-01	.0619	.0556	.0778	.0700	3.91E-05	3.51E-05	2.51E-02	4DWN	3175ST	.0647
5	40.790	0.000	1.270	2.13E+01	7.695E-02	6.917E-02	.0340	.0306	.0428	.0385	2.15E-05	1.93E-05	1.38E-02	4DWN	3175ST	.0356
6	40.790	3.000	1.587	5.23E+01	1.887E-01	1.696E-01	.0835	.0751	.1050	.0943	5.27E-05	4.74E-05	3.38E-02	4DWN	3175ST	.0872
7	40.790	0.000	1.905	5.08E+01	1.833E-01	1.648E-01	.0811	.0729	.1020	.0917	5.12E-05	4.61E-05	3.28E-02	4DWN	3175ST	.0848
8	40.790	0.000	2.225	3.38E+01	1.219E-01	1.096E-01	.0539	.0485	.0678	.0609	3.41E-05	3.06E-05	2.18E-02	4DWN	3175ST	.0563
9	40.790	1.270	.238	2.03E+02	7.328E-01	6.597E-01	.3240	.2912	.4078	.3663	2.05E-04	1.84E-04	1.31E-01	4DWN	3175TD	.3388
10	40.790	1.270	.476	1.30E+02	4.691E-01	4.238E-01	.2071	.1861	.2602	.2340	1.31E-04	1.18E-04	8.38E-02	4DWN	3175TD	.2164
11	40.790	1.270	.714	7.31E+01	2.638E-01	2.371E-01	.1167	.1049	.1467	.1319	7.37E-05	6.63E-05	4.72E-02	4DWN	3175TD	.1220
12	40.790	1.270	.953	3.93E+01	1.413E-01	1.275E-01	.0627	.0564	.0789	.0709	3.96E-05	3.56E-05	2.54E-02	4DWN	3175TD	.0656
13	40.790	1.270	1.270	5.90E+00	2.129E-02	1.914E-02	.0094	.0085	.0118	.0106	5.95E-06	5.35E-06	3.81E-03	4DWN	3175TD	.0098
14	40.790	1.270	1.587	7.24E+00	2.612E-02	2.348E-02	.0116	.0104	.0145	.0131	7.30E-06	6.56E-06	4.68E-03	4DWN	3175TD	.0121
15	40.790	1.270	1.905	2.26E+01	7.498E-02	6.740E-02	.0332	.0298	.0417	.0375	2.10E-05	1.88E-05	1.34E-02	4DWN	3175TD	.0347
16	40.790	1.270	2.225	5.23E+00	1.886E-02	1.695E-02	.0083	.0075	.0105	.0094	5.27E-06	4.74E-06	3.38E-03	4DWN	3175TD	.0087
17	40.790	2.440	.238	2.26E+02	8.150E-01	7.329E-01	.3602	.3238	.4533	.4074	2.28E-04	2.05E-04	1.46E-01	4DWN	3175TD	.3767
18	40.790	2.440	.476	1.31E+02	4.719E-01	4.242E-01	.2086	.1875	.2625	.2359	1.32E-04	1.19E-04	8.45E-02	4DWN	3175TD	.2182
19	40.790	2.443	.714	5.08E+01	1.835E-01	1.650E-01	.0812	.0730	.1021	.0918	5.13E-05	4.61E-05	3.29E-02	4DWN	3175TD	.0848
20	40.790	2.443	.953	1.17E+02	4.221E-01	3.795E-01	.1867	.1678	.2348	.2110	1.18E-04	1.06E-04	7.56E-02	4DWN	3175TD	.1952
21	40.790	2.443	1.270	2.82E+01	1.016E-01	9.135E-02	.0450	.0404	.0565	.0508	2.84E-05	2.55E-05	1.82E-02	4DWN	3175TD	.0470
22	40.790	2.440	1.587	2.59E+01	9.340E-02	8.396E-02	.0413	.0371	.0519	.0467	2.61E-05	2.35E-05	1.67E-02	4DWN	3175TD	.0432
23	40.790	2.440	1.905													
24	40.790	2.440	2.225	4.96E+00	1.789E-02	1.608E-02	.0079	.0071	.0099	.0089	5.00E-06	4.49E-06	3.20E-03	4DWN	3175TD	.0083
25	40.790	3.810	.239	4.22E+02	1.527E+00	1.373E+00	.6748	.6065	.8494	.7634	4.27E-04	3.84E-04	2.73E-01	4DWN	3175TD	.7059
26	40.790	3.810	.476	2.13E+02	7.693E-01	6.915E-01	.3401	.3057	.4279	.3846	2.15E-04	1.93E-04	1.38E-01	4DWN	3175TD	.3556
27	40.790	3.810	.714	5.66E+01	2.043E-01	1.837E-01	.0904	.0812	.1136	.1022	5.71E-05	5.13E-05	3.66E-02	4DWN	3175TD	.0945
28	40.790	3.810	.953	1.31E+01	4.743E-02	4.263E-02	.0210	.0189	.0264	.0237	1.33E-05	1.19E-05	8.49E-03	4DWN	3175TD	.0219
29	40.790	3.810	1.270	9.16E-09	3.306E-11	2.972E-11	.0000	.0000	.0000	.0000	9.24E-15	8.30E-15	5.92E-12	4DWN	3175TD	.0000
30	40.790	3.810	1.587	7.37E+00	2.661E-02	2.392E-02	.0118	.0106	.0148	.0133	7.44E-06	6.68E-06	4.76E-03	4DWN	3175TD	.0123
31	40.790	3.810	1.905	5.90E+00	2.128E-02	1.913E-02	.0094	.0085	.0118	.0106	5.95E-06	5.35E-06	3.81E-03	4DWN	3175TD	.0098
32	40.790	3.810	2.225	1.55E+01	5.609E-02	5.[illegible]2E-02	.0248	.0223	.0312	.0280	1.57E-05	1.41E-05	1.00E-02	4DWN	3175TD	.0259
33	22.860	5.318	0.000	5.52E+02	2.030E+00	1.798E+00	.8606	.5936	1.1126	.9997	5.59E-04	5.02E-04	2.68E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	5.50E+02	1.994E+00	1.792E+00	.6937	.6233	1.1092	.9966	5.57E-04	5.01E-04	2.02E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	5.93E+02	2.113E+00	1.899E+00	.7789	.6926	1.1753	1.0568	5.90E-04	5.31E-04	3.13E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	5.69E+02	2.065E+00	1.855E+00	.7944	.7138	1.1483	1.0316	5.77E-04	5.18E-04	3.23E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	6.24E+02	2.265E+00	2.034E+00	.9147	.8218	1.2595	1.1315	6.33E-04	5.68E-04	3.72E-01	1UPS	TILTOP	
39	43.340	0.000	0.000	5.86E+02	2.122E+00	1.907E+00	.9644	.6665	1.1803	1.0605	5.93E-04	5.33E-04	3.92E-01	4DWN	TILTOP	

MACH 8 V.D. TEST(624), C.S.JOHNSON RSI TILE GAPS, RUN(42) 1972 PAGE 38

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
40	45.888	0.000	0.000	6.16E+02	2.231E+00	2.005E+00	1.0432	.9373	1.2408	1.1149	6.23E-04	5.60E-04	4.24E-01	4DWN	TILTOP	
41	48.428	0.000	0.000	5.57E+02	2.020E+00	1.815E+00	.9784	.8719	1.1237	1.0096	5.65E-04	5.07E-04	3.94E-01	4DWN	TILTOP	
42	51.598	0.000	0.000	5.80E+02	2.101E+00	1.888E+00	1.0417	.9359	1.1687	1.0501	5.87E-04	5.28E-04	4.23E-01	4DWN	TILTOP	
43	54.778	0.000	0.000	4.66E+02	1.689E+00	1.518E+00	.8627	.7751	.9396	.8442	4.72E-04	4.24E-04	3.51E-01	4DWN	TILTOP	
44	57.948	0.000	0.000	5.21E+02	1.886E+00	1.695E+00	.9913	.8907	1.0489	.9425	5.27E-04	4.74E-04	4.02E-01	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 43

H=REF W/M2-K	3.55E+00	3.52E+00	3.56E+00	3.55E+00	3.62E+00	3.15E+00	2.80E+00	2.93E+00	3.03E+00	3.41E+00	3.75E+00
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.69E+01	4.86E+01	5.17E+01	5.49E+01	5.81E+01

MACH 8 V.D. TEST(824), C.9.JOHNSON RSI TILE GAPS, RUN(43) 1972

TSTAG(K) = 6.9711E+02
PSTAG(N/M2) = 9.1841E+05
Q CODE = 1
DEG OF FIT = 1
RE/METER = 2.1436E+06
MACH = 7.700
XNSTREF = .407
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
TUNNEL WALL POSITIO
M1 IS FOR TC-33 = 3.5+90E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
1	+0.790	1.270	.238	9.36E+02	3.40E+00	3.06E+00	1.0167	.9165	.9681	.8636	4.33E-04	3.90E-04	4.14E-01	4DWN	3175ST	.9320
2	+0.790	0.000	.476	2.97E+02	2.03E+00	1.83E+00	.6084	.5485	.5731	.5167	2.59E-04	2.34E-04	2.47E-01	4DWN	3175ST	.5576
3	+0.790	0.000	.714	2.06E+02	7.07E-01	6.36E-01	.2110	.1910	.1994	.1798	9.02E-05	8.13E-05	8.61E-02	4DWN	3175ST	.1940
4	+0.790	0.000	.953	1.49E+02	5.08E-01	4.55E-01	.1522	.1372	.1433	.1292	6.48E-05	5.84E-05	6.19E-02	4DWN	3175ST	.1394
5	+0.790	0.000	1.270	6.50E+01	2.24E-01	2.02E-01	.0673	.0607	.0634	.0571	2.86E-05	2.58E-05	2.73E-02	4DWN	3175ST	.0616
6	+0.790	0.000	1.587	2.92E+01	9.96E-02	8.96E-02	.0298	.0268	.0280	.0253	1.27E-05	1.14E-05	1.21E-02	4DWN	3175ST	.0273
7	+0.790	0.000	1.905	1.95E+01	6.48E-02	5.83E-02	.0194	.0175	.0183	.0165	8.26E-06	7.44E-06	7.88E-03	4DWN	3175ST	.0178
8	+0.790	0.000	2.225	4.68E+01	1.66E-01	1.49E-01	.0497	.0448	.0468	.0422	2.12E-05	1.91E-05	2.02E-02	4DWN	3175ST	.0456
9	+0.790	1.270	.238	3.36E+02	1.14E+00	1.03E+00	.3424	.3087	.3223	.2906	1.46E-04	1.31E-04	1.39E-01	4DWN	3175TD	.3136
10	+0.790	1.270	.476	1.40E+02	4.77E-01	4.30E-01	.1429	.1288	.1345	.1212	6.08E-05	5.48E-05	5.80E-02	4DWN	3175TD	.1308
11	+0.790	1.270	.714	8.60E+01	1.22E-01	1.10E-01	.0367	.0331	.0346	.0312	1.56E-05	1.41E-05	1.49E-02	4DWN	3175TD	.0336
12	+0.790	1.270	.953	1.90E+01	6.47E-02	5.83E-02	.0194	.0175	.0182	.0165	8.25E-06	7.44E-06	7.88E-03	4DWN	3175TD	.0178
13	+0.790	1.270	1.270	3.91E+01	1.33E-01	1.20E-01	.0399	.0359	.0375	.0338	1.70E-05	1.53E-05	1.62E-02	4DWN	3175TD	.0365
14	+0.790	1.270	1.587	3.10E+01	1.07E-01	9.71E-02	.0322	.0290	.0304	.0274	1.37E-05	1.24E-05	1.31E-02	4DWN	3175TD	.0295
15	+0.790	1.270	1.905	5.05E+01	1.72E-01	1.55E-01	.0515	.0464	.0485	.0437	2.19E-05	1.98E-05	2.09E-02	4DWN	3175TD	.0472
16	+0.790	1.270	2.225	8.04E-01	2.74E-03	2.47E-03	.0008	.0007	.0008	.0007	3.49E-07	3.15E-07	3.33E-04	4DWN	3175TD	.0008
17	+0.790	2.540	.238	4.27E+02	1.45E+00	1.31E+00	.4353	.3924	.4100	.3696	1.85E-04	1.67E-04	1.77E-01	4DWN	3175TD	.3988
18	+0.790	2.540	.476	2.39E+02	8.12E-01	7.32E-01	.2431	.2192	.2290	.2064	1.04E-04	9.33E-05	9.88E-02	4DWN	3175TD	.2228
19	+0.790	2.540	.714	1.30E+02	4.43E-01	3.99E-01	.1327	.1196	.1249	.1126	5.65E-05	5.09E-05	5.39E-02	4DWN	3175TD	.1215
20	+0.790	2.540	.953	1.03E+02	3.41E-01	3.09E-01	.1022	.0922	.0963	.0868	4.36E-05	3.92E-05	4.16E-02	4DWN	3175TD	.0936
21	+0.790	2.540	1.270	1.47E+01	5.01E-02	4.52E-02	.0150	.0135	.0141	.0127	6.39E-06	5.76E-06	6.10E-03	4DWN	3175TD	.0138
22	+0.790	2.540	1.587	3.72E+01	1.26E-01	1.14E-01	.0380	.0342	.0358	.0322	1.62E-05	1.46E-05	1.54E-02	4DWN	3175TD	.0348
23	+0.790	2.540	1.905	3.32E+01	1.13E-01	1.02E-01	.0339	.0305	.0319	.0288	1.44E-05	1.30E-05	1.38E-02	4DWN	3175TD	.0310
24	+0.790	2.540	2.225													
25	+0.790	3.810	.238	7.11E+02	2.42E+00	2.18E+00	.7255	.6545	.6801	.6136	3.41E-04	3.07E-04	3.26E-01	4DWN	3175TD	.7343
26	+0.790	3.810	.476	3.37E+02	1.15E+00	1.03E+00	.3387	.3053	.3191	.2876	1.44E-04	1.30E-04	1.38E-01	4DWN	3175TD	.3104
27	+0.790	3.810	.714	9.44E+01	3.20E-01	2.88E-01	.0960	.0865	.0904	.0815	4.09E-05	3.68E-05	3.90E-02	4DWN	3175TD	.0879
28	+0.790	3.810	.953	1.91E+01	6.47E-02	5.83E-02	.0194	.0175	.0182	.0165	8.26E-06	7.44E-06	7.88E-03	4DWN	3175TD	.0178
29	+0.790	3.810	1.270	1.65E+01	5.59E-02	5.04E-02	.0167	.0151	.0157	.0142	7.12E-06	6.42E-06	6.80E-03	4DWN	3175TD	.0154
30	+0.790	3.810	1.587	1.21E+01	4.11E-02	3.70E-02	.0123	.0111	.0115	.0104	5.23E-06	4.72E-06	5.00E-03	4DWN	3175TD	.0113
31	+0.790	3.810	1.905	3.22E+00	1.09E-02	9.83E-03	.0033	.0030	.0031	.0028	1.40E-06	1.26E-06	1.33E-03	4DWN	3175TD	.0030
32	+0.790	3.810	2.225	1.19E+01	4.05E-02	3.65E-02	.0122	.0110	.0115	.0103	5.18E-06	4.67E-06	4.94E-03	4DWN	3175TD	.0111
33	+2.540	5.318	0.000	1.06E+02	3.93E+00	3.54E+00	.8859	.7992	1.1287	1.0001	5.01E-04	4.52E-04	3.58E-01	1UPS	TILTOP	
34	+5.080	5.318	0.000	1.05E+02	3.90E+00	3.51E+00	.9249	.8342	1.0995	.9917	4.97E-04	4.48E-04	3.74E-01	1UPS	TILTOP	
35	+7.620	5.318	0.000	1.06E+02	3.95E+00	3.56E+00	.9611	.8668	1.1132	1.0039	5.03E-04	4.54E-04	3.98E-01	1UPS	TILTOP	
36	+1.110	5.318	0.000	1.06E+02	3.95E+00	3.55E+00	1.0315	.9301	1.1104	1.0012	5.02E-04	4.53E-04	4.19E-01	1UPS	TILTOP	
37	+4.290	5.318	0.000	1.08E+02	4.01E+00	3.61E+00	1.1008	.9924	1.1301	1.0188	5.11E-04	4.61E-04	4.47E-01	1UPS	TILTOP	
39	+3.340	3.810	0.000	1.03E+02	3.83E+00	3.45E+00	1.0780	.9717	.9855	.8883	4.46E-04	4.02E-04	4.38E-01	4DWN	TILTOP	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

MACH # V.O. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUN(43) 1972 PAGE 48

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
40	45.898	0.000	0.000	9.10E+02	3.132E+00	2.797E+00	.9840	.8870	.8742	.7880	3.95E-04	3.56E-04	4.00E-01	4DWN	TILTOP	
41	48.420	0.000	0.000	9.51E+02	3.249E+00	2.928E+00	1.0566	.9522	.9155	.8250	4.14E-04	3.73E-04	4.31E-01	4DWN	TILTOP	
42	51.593	0.000	0.000	9.84E+02	3.357E+00	3.026E+00	1.1280	1.0167	.9460	.8527	4.28E-04	3.85E-04	4.59E-01	4DWN	TILTOP	
43	54.778	0.000	0.000	1.11E+03	3.783E+00	3.411E+00	1.3142	1.1851	1.0659	.9611	4.82E-04	4.35E-04	5.33E-01	4DWN	TILTOP	
44	57.949	0.000	0.000	1.22E+03	4.154E+00	3.747E+00	1.4862	1.3404	1.1705	1.0557	5.29E-04	4.77E-04	6.02E-01	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 44									
H-REF W/M2-K	5.04E+00	4.70E+00	4.73E+00	4.56E+00	4.87E+00	4.47E+00	4.48E+00	4.49E+00	4.11E+00	4.24E+00	4.16E+00
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.60E+01	4.86E+01	5.17E+01	5.49E+01	5.81E+01

MACH 8 V.D. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUN(44) 1972 PAGE 41

TSTAG(K) = 6.9335E+02
PSTAG(N/M2) = 1.4872E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 3.6417E+06
MACH = 7.790
XNSTREF = .409
TAW/TT =SQRT(PR) FOR HL,MR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
TUNNEL WALL POSITION.
MR IS FOR TC-33 = 5.020E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
1	40.790	0.000	.238	2.33E+03	8.064E+00	7.201E+00	1.8539	1.6694	1.5993	1.4401	5.94E-04	5.35E-04	7.58E-01	4DWN	3175ST	1.5829
2	40.790	0.000	.476	1.60E+03	5.525E+00	4.976E+00	1.2719	1.1454	1.0959	.9869	4.07E-04	3.67E-04	5.19E-01	4DWN	3175ST	1.0848
3	40.790	0.000	.714	7.92E+02	2.730E+00	2.459E+00	.6294	.5669	.5414	.4877	2.01E-04	1.81E-04	2.57E-01	4DWN	3175ST	.5361
4	40.790	0.000	.953	3.20E+02	1.103E+00	9.940E-01	.2546	.2293	.2188	.1971	8.13E-05	7.33E-05	1.04E-01	4DWN	3175ST	.2167
5	40.790	0.000	1.270	1.53E+02	5.272E-01	4.749E-01	.1217	.1096	.1046	.0942	3.89E-05	3.50E-05	4.96E-02	4DWN	3175ST	.1035
6	40.790	0.000	1.587	4.98E+01	1.686E-01	1.519E-01	.0389	.0351	.0334	.0301	1.24E-05	1.12E-05	1.58E-02	4DWN	3175ST	.0331
7	40.790	0.000	1.905	3.51E+01	1.207E-01	1.087E-01	.0279	.0251	.0239	.0216	8.90E-06	8.01E-06	1.13E-02	4DWN	3175ST	.0237
8	40.790	0.000	2.225	2.48E+01	8.519E-02	7.676E-02	.0197	.0177	.0169	.0152	6.28E-06	5.66E-06	8.01E-03	4DWN	3175ST	.0167
9	40.790	1.270	.238	5.10E+02	1.757E+00	1.582E+00	.4052	.3650	.3484	.3138	1.29E-04	1.17E-04	1.65E-01	4DWN	3175TD	.3449
10	40.790	1.270	.476	2.16E+02	7.423E-01	6.688E-01	.1713	.1544	.1472	.1326	5.47E-05	4.93E-05	6.98E-02	4DWN	3175TD	.1458
11	40.790	1.270	.714	1.15E+02	3.967E-01	3.574E-01	.0916	.0825	.0787	.0709	2.92E-05	2.63E-05	3.73E-02	4DWN	3175TD	.0779
12	40.790	1.270	.953	1.10E+02	3.792E-01	3.417E-01	.0875	.0789	.0752	.0678	2.90E-05	2.52E-05	3.56E-02	4DWN	3175TD	.0745
13	40.790	1.270	1.270	3.98E+01	1.368E-01	1.233E-01	.0316	.0285	.0271	.0244	1.01E-05	9.09E-06	1.29E-02	4DWN	3175TD	.0269
14	40.790	1.270	1.587	1.69E+01	5.810E-02	5.234E-02	.0134	.0121	.0115	.0104	4.28E-06	3.86E-06	5.46E-03	4DWN	3175TD	.0114
15	40.790	1.270	1.905	1.12E+01	3.869E-02	3.486E-02	.0089	.0080	.0077	.0069	2.85E-06	2.57E-06	3.64E-03	4DWN	3175TD	.0076
16	40.790	1.270	2.225	2.30E+01	7.920E-02	7.136E-02	.0183	.0165	.0157	.0142	5.84E-06	5.26E-06	7.45E-03	4DWN	3175TD	.0156
17	40.790	2.440	.238	5.18E+02	1.784E+00	1.607E+00	.4114	.3706	.3538	.3187	1.32E-04	1.18E-04	1.68E-01	4DWN	3175TD	.3503
18	40.790	2.440	.476	2.69E+02	9.257E-01	8.339E-01	.2135	.1923	.1836	.1654	6.82E-05	6.15E-05	8.70E-02	4DWN	3175TD	.1818
19	40.790	2.440	.714	1.12E+02	3.849E-01	3.467E-01	.0888	.0800	.0763	.0688	2.84E-05	2.56E-05	3.62E-02	4DWN	3175TD	.0756
20	40.790	2.440	.953	6.66E+01	2.293E-01	2.063E-01	.0529	.0476	.0454	.0409	1.69E-05	1.52E-05	2.15E-02	4DWN	3175TD	.0450
21	40.790	2.440	1.270	2.69E+01	9.261E-02	8.343E-02	.0214	.0193	.0184	.0165	6.83E-06	6.15E-06	8.71E-03	4DWN	3175TD	.0182
22	40.790	2.440	1.587	3.29E+01	1.134E-01	1.021E-01	.0262	.0236	.0225	.0203	8.36E-06	7.53E-06	1.07E-02	4DWN	3175TD	.0223
23	40.790	2.440	1.905													
24	40.790	2.440	2.225	2.06E+01	7.121E-02	6.413E-02	.0164	.0148	.0141	.0127	5.25E-06	4.73E-06	6.69E-03	4DWN	3175TD	.0140
25	40.790	3.810	.238	1.03E+03	3.543E+00	3.191E+00	.8160	.7349	.7028	.6329	2.61E-04	2.35E-04	3.33E-01	4DWN	3175TD	.6957
26	40.790	3.810	.476	4.78E+02	1.645E+00	1.482E+00	.3793	.3417	.3263	.2939	1.21E-04	1.09E-04	1.55E-01	4DWN	3175TD	.3231
27	40.790	3.810	.714	1.27E+02	4.376E-01	3.942E-01	.1010	.0909	.0868	.0782	3.23E-05	2.91E-05	4.11E-02	4DWN	3175TD	.0859
28	40.790	3.810	.953	4.03E+01	1.388E-01	1.250E-01	.0320	.0288	.0275	.0248	1.02E-05	9.21E-06	1.30E-02	4DWN	3175TD	.0273
29	40.790	3.810	1.270	4.79E+01	1.650E-01	1.487E-01	.0381	.0343	.0327	.0295	1.22E-05	1.10E-05	1.55E-02	4DWN	3175TD	.0324
30	40.790	3.810	1.587	1.62E+01	5.578E-02	5.025E-02	.0129	.0116	.0111	.0100	4.11E-06	3.70E-06	5.24E-03	4DWN	3175TD	.0110
31	40.790	3.810	1.905	4.02E-01	1.383E-03	1.246E-03	.0003	.0003	.0003	.0002	1.02E-07	9.18E-08	1.30E-04	4DWN	3175TD	.0003
32	40.790	3.810	2.225	3.49E+01	1.202E-01	1.083E-01	.0278	.0250	.0238	.0215	8.86E-06	7.98E-06	1.13E-02	4DWN	3175TD	.0236
33	22.860	5.318	0.000	1.62E+03	5.598E+00	5.042E+00	.9652	.8693	1.1103	1.0000	4.13E-04	3.72E-04	3.94E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	1.51E+03	5.219E+00	4.700E+00	.9482	.8540	1.0351	.9322	3.85E-04	3.46E-04	3.67E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	1.52E+03	5.254E+00	4.732E+00	1.0010	.9015	1.0421	.9385	3.87E-04	3.49E-04	4.09E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	1.46E+03	5.038E+00	4.537E+00	1.0124	.9117	.9932	.8998	3.71E-04	3.34E-04	4.14E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	1.56E+03	5.405E+00	4.867E+00	1.1396	1.0261	1.0721	.9654	3.98E-04	3.59E-04	4.66E-01	1UPS	TILTOP	
38	43.340	0.000	0.000	1.44E+03	4.965E+00	4.471E+00	1.1767	1.0595	.9847	.8867	3.66E-04	3.30E-04	4.81E-01	4DWN	TILTOP	

MACH 8 V.D. TEST(624), C.9.JOHNSON RSI TILE GAPS, RUN(44) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
40	45.851	0.000	0.000	1.34E+03	4.98E+00	4.48E+00	1.2143	1.0934	.9876	.8893	3.67E-04	3.31E-04	4.96E-01	4DWN	TILTOP	
41	48.420	0.000	0.000	1.34E+03	4.98E+00	4.48E+00	1.2485	1.1241	.9886	.8902	3.67E-04	3.31E-04	5.10E-01	4DWN	TILTOP	
42	51.598	0.000	0.000	1.32E+03	4.56E+00	4.18E+00	1.1793	1.0619	.9045	.8145	3.36E-04	3.03E-04	4.82E-01	4DWN	TILTOP	
43	54.778	0.000	0.000	1.39E+03	4.81E+00	4.33E+00	1.2838	1.1560	.9558	.8606	3.55E-04	3.20E-04	5.25E-01	4DWN	TILTOP	
44	57.948	0.000	0.000	1.34E+03	4.61E+00	4.15E+00	1.2645	1.1386	.9152	.8241	3.40E-04	3.06E-04	5.17E-01	4DWN	TILTOP	

REFERENCE HEATING CURVE FOR RUN 45

M-REF W/M2-K	6.07E+00	6.42E+00	6.68E+00	6.51E+00	6.69E+00	6.46E+00	5.74E+00	6.50E+00	6.14E+00	6.13E+00	6.45E+00					
AT X(CM)	2.28E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.68E+01	4.88E+01	5.17E+01	5.49E+01	5.81E+01					

MACH 8 V.D. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUNE 45) 1972 PAGE 43

TSTAG(K) = 7.172DE+02
PSTAG(N/M2)= 2.293SE+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 5.4790E+06
MACH = 7.859
XNSTREF = .407
TAW/TT =SQRT(PR) FOR ML,HR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
TUNNEL WALL POSITION
HI IS FOR TC-33 = 6.8750E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (N/M2)	ML (W/M2-K)	HT (W/M2-K)	ML/HR	HT/HR	ML/HI	HT/HI	STL	STT	STREL	TILE	GAP	HT/HTOP
1	40.790	0.000	.238	6.40E+03	2.090E+	1.833E+01	3.9505	3.5663	3.0495	2.7529	1.06E-03	9.53E-04	1.61E+00	4DWN	3175ST	2.9006
2	40.790	0.000	.476	5.21E+03	1.685E+01	1.532E+01	3.1843	2.8757	2.4513	2.2138	8.49E-04	7.66E-04	1.29E+00	4DWN	3175ST	2.3325
3	40.790	0.000	.714	2.92E+03	9.426E+00	8.515E+00	1.7870	1.6146	1.3710	1.2387	4.75E-04	4.29E-04	7.24E-01	4DWN	3175ST	1.3052
4	40.790	0.000	.953	1.71E+03	5.493E+00	4.964E+00	1.0435	.9431	.7990	.7220	2.77E-04	2.50E-04	4.22E-01	4DWN	3175ST	.7608
5	40.790	0.000	1.270	9.60E+02	3.152E+00	2.849E+00	.5993	.5417	.4584	.4143	1.59E-04	1.43E-04	2.42E-01	4DWN	3175ST	.4366
6	40.790	0.000	1.587	3.64E+02	1.166E+00	1.056E+00	.2223	.2010	.1699	.1535	5.88E-05	5.32E-05	8.97E-02	4DWN	3175ST	.1618
7	40.790	0.000	1.905	1.38E+02	4.433E-01	4.007E-01	.0844	.0763	.0645	.0583	2.23E-05	2.02E-05	3.40E-02	4DWN	3175ST	.0614
8	40.790	0.000	2.225	7.92E+01	2.541E-01	2.298E-01	.0484	.0438	.0370	.0334	1.28E-05	1.16E-05	1.95E-02	4DWN	3175ST	.0352
9	40.790	1.270	.238	1.15E+03	3.689E+00	3.335E+00	.7016	.6342	.5366	.4850	1.86E-04	1.68E-04	2.83E-01	4DWN	3175TD	.5111
10	40.790	1.270	.476	8.39E+02	2.694E+00	2.435E+00	.5126	.4633	.3918	.3542	1.36E-04	1.23E-04	2.07E-01	4DWN	3175TD	.3732
11	40.790	1.270	.714	6.11E+02	1.963E+00	1.774E+00	.3735	.3377	.2855	.2581	9.89E-05	8.93E-05	1.51E-01	4DWN	3175TD	.2719
12	40.790	1.270	.953	3.36E+02	1.721E+00	1.555E+00	.3274	.2950	.2503	.2262	8.66E-05	7.83E-05	1.32E-01	4DWN	3175TD	.2384
13	40.790	1.270	1.270	3.93E+02	1.250E+00	1.139E+00	.2399	.2169	.1833	.1657	6.35E-05	5.74E-05	9.68E-02	4DWN	3175TD	.1746
14	40.790	1.270	1.587	1.74E+02	5.593E-01	5.065E-01	.1064	.0962	.0814	.0735	2.82E-05	2.55E-05	4.30E-02	4DWN	3175TD	.0775
15	40.790	1.270	1.905	1.02E+02	3.266E-01	2.927E-01	.0869	.0786	.0664	.0600	2.30E-05	2.08E-05	3.51E-02	4DWN	3175TD	.0633
16	40.790	1.270	2.225	3.51E+01	1.125E-01	1.017E-01	.0214	.0194	.0164	.0148	5.66E-06	5.12E-06	8.64E-03	4DWN	3175TD	.0156
17	40.790	2.540	.238	7.06E+02	2.248E+00	2.032E+00	.4278	.3866	.3271	.2956	1.13E-04	1.02E-04	1.73E-01	4DWN	3175TD	.3115
18	40.790	2.540	.476	4.10E+02	1.317E+00	1.191E+00	.2507	.2266	.1916	.1732	6.63E-05	6.00E-05	1.01E-01	4DWN	3175TD	.1825
19	40.790	2.540	.714	2.26E+02	7.265E-01	6.567E-01	.1383	.1250	.1057	.0955	3.66E-05	3.31E-05	5.58E-02	4DWN	3175TD	.1007
20	40.790	2.540	.953	3.49E+01	1.117E-01	1.009E-01	.0213	.0192	.0162	.0147	5.62E-06	5.08E-06	8.58E-03	4DWN	3175TD	.0155
21	40.790	2.540	1.270	4.36E+01	1.400E-01	1.266E-01	.0267	.0241	.0204	.0184	7.05E-06	6.37E-06	1.08E-02	4DWN	3175TD	.0194
22	40.790	2.540	1.587	8.54E+01	2.740E-01	2.477E-01	.0522	.0472	.0399	.0360	1.38E-05	1.25E-05	2.10E-02	4DWN	3175TD	.0379
23	40.790	2.540	1.905	2.27E+01	7.293E-02	6.598E-02	.0139	.0126	.0106	.0096	3.68E-06	3.32E-06	5.61E-03	4DWN	3175TD	.0101
24	40.790	2.540	2.225													
25	40.790	3.810	.238	1.31E+03	4.220E+00	3.799E+00	.7983	.7214	.6115	.5526	2.12E-04	1.91E-04	3.23E-01	4DWN	3175TD	.5823
26	40.790	3.810	.476	6.15E+02	1.977E+00	1.787E+00	.3760	.3399	.2876	.2600	9.96E-05	9.00E-05	1.52E-01	4DWN	3175TD	.2739
27	40.790	3.810	.714	1.94E+02	6.241E-01	5.348E-01	.1126	.1018	.0860	.0778	2.98E-05	2.69E-05	4.54E-02	4DWN	3175TD	.0820
28	40.790	3.810	.953	2.34E+01	7.521E-02	6.739E-02	.0143	.0129	.0109	.0099	3.79E-06	3.42E-06	5.78E-03	4DWN	3175TD	.0184
29	40.790	3.810	1.270	3.66E+01	9.841E-02	8.896E-02	.0187	.0169	.0143	.0129	4.96E-06	4.48E-06	7.56E-03	4DWN	3175TD	.0136
30	40.790	3.810	1.587	2.02E+01	6.489E-02	5.865E-02	.0124	.0112	.0094	.0085	3.27E-06	2.95E-06	4.98E-03	4DWN	3175TD	.0090
31	40.790	3.810	1.905	1.39E+01	4.427E-02	4.002E-02	.0084	.0076	.0064	.0058	2.23E-06	2.02E-06	3.40E-03	4DWN	3175TD	.0061
32	40.790	3.810	2.225	1.73E+01	5.539E-02	5.007E-02	.0105	.0095	.0081	.0073	2.79E-06	2.52E-06	4.25E-03	4DWN	3175TD	.0077
33	22.940	5.318	0.000	2.38E+03	7.636E+00	6.873E+00	1.0811	.9769	1.1063	.9998	3.83E-04	3.46E-04	4.37E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	2.21E+03	7.104E+00	6.420E+00	1.0043	.9617	1.0333	.9338	3.58E-04	3.23E-04	4.31E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	2.29E+03	7.387E+00	6.675E+00	1.1604	1.0486	1.0745	.9709	3.72E-04	3.36E-04	4.70E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	2.23E+03	7.204E+00	6.509E+00	1.1933	1.0781	1.0479	.9468	3.63E-04	3.28E-04	4.83E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	2.29E+03	7.405E+00	6.690E+00	1.2866	1.1624	1.0770	.9730	3.73E-04	3.37E-04	5.21E-01	1UPS	TILTOP	
39	43.340	5.330	0.000	2.21E+03	7.147E+00	6.456E+00	1.3958	1.2609	1.0395	.9391	3.60E-04	3.25E-04	5.66E-01	4DWN	TILTOP	

...CM 8 V.D. TEST(624)= C.9.JOHNSON RSI TILE GAPS, RUN(45) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/HR	MT/HR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
40	45.880	0.000	0.000	1.97E+03	6.357E+00	5.743E+00	1.2779	1.1546	.9246		.0354	3.20E-04	2.84E-04	5.18E-01	4DWN	TILTOP
41	48.420	0.000	0.000	2.23E+03	7.198E+00	6.503E+00	1.4860	1.3425	1.0470		.9459	3.62E-04	3.27E-04	6.02E-01	4DWN	TILTOP
42	51.390	0.000	0.000	2.11E+03	6.799E+00	6.143E+00	1.4495	1.3096	.9883		.0935	3.42E-04	3.09E-04	5.87E-01	4DWN	TILTOP
43	54.770	0.000	0.000	2.10E+03	6.766E+00	6.131E+00	1.4905	1.3466	.9871		.0918	3.42E-04	3.09E-04	6.04E-01	4DWN	TILTOP
44	57.940	0.000	0.000	2.21E+03	7.138E+00	6.449E+00	1.6124	1.4567	1.0382		.9388	3.59E-04	3.25E-04	6.53E-01	4DWN	TILTOP

REFERANCE HEATING CURVE FOR RUN 46

M-REF W/M2-K	1.20E+01	1.12E+01	1.22E+01	1.21E+01	1.28E+01	1.24E+01	1.12E+01	1.28E+01	1.15E+01	1.23E+01	1.21E+01					
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.60E+01	4.86E+01	5.17E+01	5.49E+01	5.81E+01					

MACH 8 V.D. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUN(46) 1972 PAGE 45

TSTAG(K) = 7.5867E+02
PSTAG(N/M2)= 5.6794E+06
D CODE = 1
DEG OF FIT = 1
RE/METER = 1.0696E+07
MACH = 7.960
XNSTREF = .412
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
STAGGERED TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-33 = 1.2048E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	40.790	0.000	.238	1.58E+04	5.078E+01	4.591E+01	6.6511	5.9238	4.2173	3.8135	1.25E-03	1.13E-03	2.70E+00	4DWN	3175ST	3.6589
2	40.790	0.000	.476	1.49E+04	4.494E+01	4.066E+01	5.8285	5.2741	3.7323	3.3773	1.11E-03	1.00E-03	2.39E+00	4DWN	3175ST	3.2404
3	40.790	0.000	.714	1.03E+04	3.033E+01	2.747E+01	3.9640	3.5907	2.5187	2.2815	7.49E-04	6.78E-04	1.61E+00	4DWN	3175ST	2.1898
4	40.790	0.000	.953	6.55E+03	1.945E+01	1.763E+01	2.5553	2.3163	1.6151	1.4640	4.80E-04	4.35E-04	1.03E+00	4DWN	3175ST	1.4047
5	40.790	0.000	1.270	3.46E+03	1.022E+01	1.197E+01	1.7402	1.5780	1.0965	.9943	3.26E-04	2.96E-04	7.01E-01	4DWN	3175ST	.9548
6	40.790	0.000	1.587	2.34E+03	6.905E+00	8.264E+00	.9139	.8282	.5735	.5203	1.71E-04	1.55E-04	3.67E-01	4DWN	3175ST	.4992
7	40.790	0.000	1.905	7.40E+02	2.176E+00	1.975E+00	.2884	.2617	.1807	.1640	5.37E-05	4.88E-05	1.16E-01	4DWN	3175ST	.1574
8	40.790	0.000	2.225	2.93E+02	8.603E-01	7.808E-01	.1141	.1036	.0715	.0649	2.12E-05	1.93E-05	4.57E-02	4DWN	3175ST	.0622
9	40.790	1.270	.238	3.18E+03	9.373E+00	8.503E+00	1.2392	1.1241	.7785	.7063	2.31E-04	2.10E-04	4.98E-01	4DWN	3175TD	.6776
10	40.790	1.270	.476	2.65E+03	7.819E+00	7.094E+00	1.0345	.9386	.6494	.5892	1.93E-04	1.75E-04	4.15E-01	4DWN	3175TD	.5653
11	40.790	1.270	.714	2.21E+03	6.503E+00	5.900E+00	.8607	.7809	.5401	.4900	1.61E-04	1.46E-04	3.45E-01	4DWN	3175TD	.4782
12	40.790	1.270	.953	2.08E+03	6.117E+00	5.550E+00	.8097	.7346	.5080	.4610	1.51E-04	1.37E-04	3.25E-01	4DWN	3175TD	.4423
13	40.790	1.270	1.270	1.53E+03	4.504E+00	4.087E+00	.5967	.5414	.3741	.3395	1.11E-04	1.01E-04	2.39E-01	4DWN	3175TD	.3257
14	40.790	1.270	1.587	9.49E+02	2.792E+00	2.533E+00	.3696	.3354	.2319	.2104	6.89E-05	6.26E-05	1.48E-01	4DWN	3175TD	.2019
15	40.790	1.270	1.905	7.24E+02	2.126E+00	1.929E+00	.2819	.2559	.1766	.1602	5.25E-05	4.76E-05	1.13E-01	4DWN	3175TD	.1538
16	40.790	1.270	2.225	3.29E+02	9.650E-01	8.758E-01	.1280	.1162	.0801	.0727	2.38E-05	2.16E-05	5.13E-02	4DWN	3175TD	.0698
17	40.790	2.440	.238	1.93E+03	5.672E+00	5.146E+00	.7508	.6812	.4711	.4274	1.40E-04	1.27E-04	3.01E-01	4DWN	3175TD	.4101
18	40.790	2.440	.476	1.47E+03	4.325E+00	3.925E+00	.5729	.5198	.3593	.3260	1.07E-04	9.69E-05	2.30E-01	4DWN	3175TD	.3128
19	40.790	2.440	.714	1.17E+03	3.436E+00	3.118E+00	.4553	.4132	.2854	.2590	8.48E-05	7.70E-05	1.82E-01	4DWN	3175TD	.2485
20	40.790	2.440	.953	1.03E+03	3.021E+00	2.742E+00	.4005	.3635	.2510	.2277	7.46E-05	6.77E-05	1.60E-01	4DWN	3175TD	.2185
21	40.790	2.440	1.270	8.04E+02	2.361E+00	2.143E+00	.3130	.2841	.1961	.1780	5.83E-05	5.29E-05	1.25E-01	4DWN	3175TD	.1707
22	40.790	2.440	1.587	6.37E+02	1.872E+00	1.699E+00	.2482	.2253	.1555	.1411	4.62E-05	4.20E-05	9.94E-02	4DWN	3175TD	.1354
23	40.790	2.440	1.905	3.20E+02	9.409E-01	8.540E-01	.1248	.1133	.0782	.0709	2.32E-05	2.11E-05	5.00E-02	4DWN	3175TD	.0681
24	40.790	2.440	2.225													
25	40.790	3.810	.238	2.55E+03	7.521E+00	6.823E+00	.9938	.9015	.6247	.5667	1.86E-04	1.68E-04	4.00E-01	4DWN	3175TD	.5437
26	40.790	3.810	.476	1.42E+03	4.175E+00	3.789E+00	.5530	.5017	.3468	.3147	1.03E-04	9.36E-05	2.22E-01	4DWN	3175TD	.3019
27	40.790	3.810	.714	7.09E+02	2.084E+00	1.891E+00	.2762	.2506	.1731	.1571	5.15E-05	4.67E-05	1.11E-01	4DWN	3175TD	.1507
28	40.790	3.810	.953	5.05E+02	1.485E+00	1.348E+00	.1969	.1787	.1234	.1119	3.67E-05	3.33E-05	7.89E-02	4DWN	3175TD	.1074
29	40.790	3.810	1.270	3.85E+02	1.132E+00	1.027E+00	.1501	.1362	.0940	.0853	2.80E-05	2.54E-05	6.01E-02	4DWN	3175TD	.0819
30	40.790	3.810	1.587	2.86E+02	8.408E-01	7.667E-01	.1120	.1017	.0702	.0637	2.09E-05	1.89E-05	4.49E-02	4DWN	3175TD	.0611
31	40.790	3.810	1.905	2.05E+02	6.037E-01	5.479E-01	.0800	.0726	.0501	.0455	1.49E-05	1.35E-05	3.21E-02	4DWN	3175TD	.0437
32	40.790	3.810	2.225	7.66E+01	2.249E-01	2.041E-01	.0298	.0271	.0187	.0170	5.55E-06	5.04E-06	1.19E-02	4DWN	3175TD	.0163
33	22.860	5.318	0.000	4.49E+03	1.328E+01	1.204E+01	1.3116	1.1895	1.1031	1.0004	3.28E-04	2.97E-04	5.28E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	4.18E+03	1.234E+01	1.119E+01	1.2845	1.1650	1.0246	.9293	3.05E-04	2.76E-04	5.17E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	4.55E+03	1.346E+01	1.221E+01	1.4690	1.3322	1.1181	1.0140	3.32E-04	3.01E-04	5.92E-01	1UPS	TILTOP	
36	31.115	5.318	0.000	4.50E+03	1.331E+01	1.207E+01	1.5312	1.3884	1.1052	1.0022	3.29E-04	2.98E-04	6.17E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	4.76E+03	1.411E+01	1.279E+01	1.7029	1.5439	1.1720	1.0626	3.48E-04	3.16E-04	6.87E-01	1UPS	TILTOP	
39	43.349	0.000	0.000	4.63E+03	1.373E+01	1.245E+01	1.8628	1.6839	1.1402	1.0338	3.39E-04	3.07E-04	7.52E-01	4DWN	TILTOP	

MACH 8 V.D. TEST(624), G.B.JOHNSON RSI TILE GAPS, RUN(46) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
40	45.888	3.000	0.000	4.16E+03	1.23E+01	1.11E+01	1.7211	1.5606	1.0231	.9277	3.04E-04	2.76E-04	6.94E-01	40WW	TILTOP	
41	48.428	3.000	0.000	4.77E+03	1.41E+01	1.28E+01	2.0275	1.8382	1.1744	1.0648	3.49E-04	3.17E-04	8.18E-01	40WW	TILTOP	
42	51.598	0.000	0.000	4.27E+03	1.26E+01	1.14E+01	1.8700	1.6963	1.0438	.9518	3.12E-04	2.83E-04	7.54E-01	40WW	TILTOP	
43	54.778	0.000	0.000	4.54E+03	1.34E+01	1.21E+01	2.0581	1.8588	1.1159	1.0118	3.32E-04	3.01E-04	8.27E-01	40WW	TILTOP	
44	57.948	0.000	0.000	4.49E+03	1.33E+01	1.20E+01	2.0690	1.8941	1.1056	1.0029	3.29E-04	2.98E-04	8.43E-01	40WW	TILTOP	

REFERANCE HEATING CURVE FOR RUN 47

H-REF W/M2-K	2.98E+01	1.94E+01	2.14E+01	2.16E+01	2.24E+01	1.98E+01	1.07E+01	2.19E+01	1.95E+01	2.15E+01	2.11E+01					
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.60E+01	4.88E+01	5.17E+01	5.49E+01	5.81E+01					

MACH 8 V.D. TEST(625), C.F.JOHNSON RSI TILE GAPS, RUN(47) 1972 PAGE 47

TSTAG(K) = 7.7710E+02
PSTAG(N/M2)= 9.9471E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 2.0210E+07
MACH = 8.040
XNSTREF = .413
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR.**.333) FOR HT
STAGGERED TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-33 = 2.0530E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/M1	HT/M1	STL	STT	STREL	TILE	GAP	HT/HTOP
1	40.790	0.000	.238	2.65E+04	7.611E+01	6.891E+01	7.0187	6.3549	3.6192	3.3403	9.98E-04	9.04E-04	2.90E+00	4DWN	3175ST	3.3691
2	40.790	0.000	.476	2.32E+04	6.622E+01	6.001E+01	6.1486	5.5722	3.2100	2.9091	8.69E-04	7.87E-04	2.53E+00	4DWN	3175ST	2.9342
3	40.790	0.000	.714	1.99E+04	5.368E+01	5.064E+01	4.8951	3.7159	2.1175	1.9215	5.73E-04	5.20E-04	1.67E+00	4DWN	3175ST	1.9388
4	40.790	0.000	.953	1.33E+04	2.805E+01	2.547E+01	2.6469	2.4040	1.3596	1.2348	3.68E-04	3.34E-04	1.07E+00	4DWN	3175ST	1.2454
5	40.790	0.000	1.270	6.67E+03	1.917E+01	1.741E+01	1.8157	1.6499	.9290	.8442	2.51E-04	2.28E-04	7.31E-01	4DWN	3175ST	.8514
6	40.790	0.000	1.587	3.49E+03	9.884E+00	8.834E+00	.9212	.8375	.4694	.4268	1.27E-04	1.15E-04	3.69E-01	4DWN	3175ST	.4304
7	40.790	0.000	1.905	1.17E+03	3.226E+00	2.934E+00	.3078	.2800	.1564	.1422	4.23E-05	3.85E-05	1.23E-01	4DWN	3175ST	.1435
8	40.790	0.000	2.225	4.52E+02	1.275E+00	1.160E+00	.1218	.1108	.0618	.0562	1.67E-05	1.52E-05	4.86E-02	4DWN	3175ST	.0567
9	40.790	1.270	.238	5.23E+03	1.536E+01	1.396E+01	1.4599	1.3271	.7444	.6768	2.01E-04	1.83E-04	5.86E-01	4DWN	3175TD	.6826
10	40.790	1.270	.476	4.30E+03	1.193E+01	1.035E+01	1.1361	1.0329	.5785	.5268	1.57E-04	1.42E-04	4.55E-01	4DWN	3175TD	.5305
11	40.790	1.270	.714	3.38E+03	9.355E+00	8.536E+00	.8912	.8104	.4534	.4123	1.23E-04	1.12E-04	3.57E-01	4DWN	3175TD	.4159
12	40.790	1.270	.953	3.12E+03	8.639E+00	7.855E+00	.8231	.7485	.4187	.3808	1.13E-04	1.03E-04	3.29E-01	4DWN	3175TD	.3841
13	40.790	1.270	1.270	2.32E+03	6.415E+00	5.834E+00	.6118	.5564	.3110	.2828	8.41E-05	7.65E-05	2.45E-01	4DWN	3175TD	.2852
14	40.790	1.270	1.587	1.62E+03	4.492E+00	4.085E+00	.4284	.3896	.2177	.1980	5.89E-05	5.36E-05	1.71E-01	4DWN	3175TD	.1997
15	40.790	1.270	1.905	1.36E+03	3.762E+00	3.422E+00	.3593	.3268	.1824	.1659	4.93E-05	4.49E-05	1.43E-01	4DWN	3175TD	.1673
16	40.790	1.270	2.225	7.03E+02	1.941E+00	1.765E+00	.1855	.1688	.0941	.0856	2.55E-05	2.32E-05	7.40E-02	4DWN	3175TD	.0863
17	40.790	2.440	.238	3.41E+03	9.454E+00	8.597E+00	.9006	.8190	.4583	.4167	1.24E-04	1.13E-04	3.61E-01	4DWN	3175TD	.4203
18	40.790	2.440	.476	2.63E+03	7.281E+00	6.621E+00	.6942	.6314	.3529	.3210	9.55E-05	8.68E-05	2.78E-01	4DWN	3175TD	.3237
19	40.790	2.440	.714	2.07E+03	5.738E+00	5.219E+00	.5475	.4980	.2781	.2530	7.53E-05	6.84E-05	2.19E-01	4DWN	3175TD	.2551
20	40.790	2.440	.953	1.66E+03	4.579E+00	4.165E+00	.4371	.3976	.2219	.2019	6.01E-05	5.46E-05	1.75E-01	4DWN	3175TD	.2036
21	40.790	2.440	1.270	1.44E+03	4.112E+00	3.740E+00	.3927	.3572	.1993	.1813	5.39E-05	4.91E-05	1.57E-01	4DWN	3175TD	.1829
22	40.790	2.440	1.587	1.18E+03	3.209E+00	2.919E+00	.3065	.2788	.1555	.1415	4.21E-05	3.83E-05	1.22E-01	4DWN	3175TD	.1427
23	40.790	2.440	1.905	7.20E+02	1.989E+00	1.810E+00	.1901	.1730	.0964	.0877	2.61E-05	2.37E-05	7.59E-02	4DWN	3175TD	.0885
24	40.790	2.440	2.225													
25	40.790	3.810	.238	4.30E+03	1.196E+01	1.087E+01	1.1369	1.0334	.5798	.5271	1.57E-04	1.43E-04	4.55E-01	4DWN	3175TD	.5316
26	40.790	3.810	.476	2.37E+03	6.569E+00	5.974E+00	.6263	.5696	.3184	.2896	8.62E-05	7.84E-05	2.51E-01	4DWN	3175TD	.2921
27	40.790	3.810	.714	1.36E+03	3.822E+00	3.476E+00	.3648	.3319	.1852	.1685	5.01E-05	4.56E-05	1.46E-01	4DWN	3175TD	.1700
28	40.790	3.810	.953	1.09E+03	2.906E+00	2.644E+00	.2776	.2526	.1409	.1282	3.81E-05	3.47E-05	1.11E-01	4DWN	3175TD	.1293
29	40.790	3.810	1.270	8.59E+02	2.372E+00	2.158E+00	.2266	.2061	.1150	.1046	3.11E-05	2.83E-05	9.05E-02	4DWN	3175TD	.1055
30	40.790	3.810	.587	6.34E+02	1.916E+00	1.743E+00	.1831	.1666	.0929	.0845	2.51E-05	2.29E-05	7.31E-02	4DWN	3175TD	.0852
31	40.790	3.810	1.905	5.13E+02	1.418E+00	1.290E+00	.1355	.1233	.0687	.0625	1.86E-05	1.69E-05	5.41E-02	4DWN	3175TD	.0631
32	40.790	3.810	2.225	2.48E+02	6.85 3E-01	6.235E-01	.0656	.0596	.0332	.0302	8.99E-06	8.18E-06	2.61E-02	4DWN	3175TD	.0305
33	22.860	5.318	0.000	8.12E+01	2.271E+01	2.063E+01	1.6071	1.4600	1.1006	.9998	2.98E-04	2.71E-04	6.48E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	7.66E+03	2.139E+01	1.944E+01	1.5966	1.4505	1.0371	.9421	2.81E-04	2.55E-04	6.44E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	8.43E+03	2.351E+01	2.135E+01	1.8381	1.6696	1.1394	1.0350	3.08E-04	2.80E-04	7.42E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	8.91E+03	2.393E+01	2.165E+01	1.9652	1.7849	1.1552	1.0493	3.13E-04	2.84E-04	7.94E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	8.81E+03	2.470E+01	2.243E+01	2.1367	1.9405	1.1972	1.0873	3.24E-04	2.94E-04	8.64E-01	1UPS	TILTOP	
39	43.340	0.000	0.000	7.73E+03	2.161E+01	1.963E+01	2.1062	1.9133	1.0475	.9516	2.83E-04	2.57E-04	8.49E-01	4DWN	TILTOP	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

MACH 8 V.D. TEST(624), C.P.JOHNSON RSI TILE GAPS, RUN(47) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
40	45.880	0.000	0.000	7.38E+03	2.06E+01	1.87E+01	2.0606	1.8794	.9991	.9077	2.70E-04	2.46E-04	8.34E-01	4DWN	TILTOP	
41	48.420	0.000	0.000	6.51E+03	2.40E+01	2.19E+01	2.4005	2.2532	1.1679	1.0609	3.16E-04	2.87E-04	1.00E+00	4DWN	TILTOP	
42	51.590	0.000	0.000	7.69E+03	2.14E+01	1.95E+01	2.2048	2.0757	1.0412	.9459	2.82E-04	2.56E-04	9.21E-01	4DWN	TILTOP	
43	54.770	0.000	0.000	8.48E+03	2.37E+01	2.15E+01	2.5966	2.3586	1.1496	1.0442	3.11E-04	2.83E-04	1.05E+00	4DWN	TILTOP	
44	57.940	0.000	0.000	8.29E+03	2.31E+01	2.10E+01	2.6116	2.3723	1.1239	1.0209	3.04E-04	2.76E-04	1.05E+00	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 48
M-REF W/M2-K 4.17E+01 3.93E+01 4.33E+01 4.38E+01 4.45E+01 4.05E+01 3.84E+01 4.44E+01 4.08E+01 4.49E+01 4.32E+01
AT X(CM) 2.29E+01 2.54E+01 2.79E+01 3.11E+01 3.43E+01 4.35E+01 4.68E+01 4.86E+01 5.17E+01 5.49E+01 5.81E+01

MACH 8 W.D. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUN(48) 1972 PAGE 49

TSTAG(K) = 7.7451E+02
PSTAG(N/M2) = 1.9834E+07
Q CODE = 1
DEG OF FIT = 1
RE/METER = 3.7795E+07
MACH = 8.110
XNSTREF = .418
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR MT
STAGGERED TILE CONF.
TUNNEL WALL POSITION
M1 IS FOR TC-33 = 4.1698E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/MR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	MT/MTOP
1	40.798	0.000	.238	5.70E+04	1.692E+02	1.527E+02	1.0042	9.9362	4.0588	3.6626	1.12E-03	1.01E-03	4.60E+00	4DWN	3175ST	3.6572
2	40.798	0.000	.476	4.95E+04	1.451E+02	1.312E+02	9.5414	8.6229	3.4811	3.1460	9.63E-04	8.70E-04	3.94E+00	4DWN	3175ST	3.1419
3	40.798	0.000	.714	3.32E+04	9.567E+01	8.664E+01	6.3876	5.7847	2.2949	2.0783	6.35E-04	5.75E-04	2.60E+00	4DWN	3175ST	2.0755
4	40.798	0.000	.953	2.15E+04	6.118E+01	5.549E+01	4.1294	3.7451	1.4675	1.3309	4.06E-04	3.68E-04	1.66E+00	4DWN	3175ST	1.3292
5	40.798	0.000	1.270	1.51E+04	4.257E+01	3.864E+01	2.8911	2.6242	1.0210	.9268	2.82E-04	2.56E-04	1.16E+00	4DWN	3175ST	.9255
6	40.798	0.000	1.587	8.70E+03	2.441E+01	2.218E+01	1.6608	1.5080	.5856	.5320	1.62E-04	1.47E-04	6.63E-01	4DWN	3175ST	.5313
7	40.798	0.000	1.905	3.70E+03	1.031E+01	9.376E+00	.7083	.6438	.2474	.2249	6.84E-05	6.22E-05	2.80E-01	4DWN	3175ST	.2246
8	40.798	0.000	2.225	1.67E+03	4.651E+00	4.229E+00	.3202	.2912	.1116	.1014	3.09E-05	2.81E-05	1.26E-01	4DWN	3175ST	.1013
9	40.798	1.270	.238	1.24E+04	3.496E+01	3.179E+01	2.3853	2.1664	.8386	.7618	2.32E-04	2.11E-04	9.50E-01	4DWN	3175TD	.7686
10	40.798	1.270	.476	9.76E+03	2.734E+01	2.484E+01	1.8711	1.7000	.6559	.5959	1.81E-04	1.65E-04	7.43E-01	4DWN	3175TD	.5951
11	40.798	1.270	.714	7.81E+03	2.186E+01	1.987E+01	1.4984	1.3617	.5244	.4766	1.45E-04	1.32E-04	5.94E-01	4DWN	3175TD	.4759
12	40.798	1.270	.953	7.15E+03	2.000E+01	1.818E+01	1.3716	1.2465	.4798	.4361	1.33E-04	1.21E-04	5.44E-01	4DWN	3175TD	.4355
13	40.798	1.270	1.270	5.43E+03	1.516E+01	1.378E+01	1.0412	.9464	.3637	.3305	1.01E-04	9.16E-05	4.12E-01	4DWN	3175TD	.3302
14	40.798	1.270	1.587	3.44E+03	9.586E+00	8.714E+00	.6588	.5989	.2299	.2090	6.36E-05	5.78E-05	2.60E-01	4DWN	3175TD	.2088
15	40.798	1.270	1.905	3.16E+03	8.788E+00	7.990E+00	.6047	.5498	.2108	.1917	5.83E-05	5.30E-05	2.39E-01	4DWN	3175TD	.1914
16	40.798	1.270	2.225	2.48E+03	6.899E+00	6.273E+00	.4751	.4320	.1656	.1505	4.58E-05	4.16E-05	1.87E-01	4DWN	3175TD	.1503
17	40.798	2.440	.238	7.79E+03	2.182E+01	1.983E+01	1.4946	1.3581	.5235	.4757	1.45E-04	1.32E-04	5.93E-01	4DWN	3175TD	.4750
18	40.798	2.440	.476	6.87E+03	1.937E+01	1.698E+01	1.1237	1.0214	.3927	.3569	1.09E-04	9.87E-05	4.45E-01	4DWN	3175TD	.3565
19	40.798	2.440	.714	4.74E+03	1.323E+01	1.203E+01	.9093	.8266	.3173	.2885	8.78E-05	7.98E-05	3.59E-01	4DWN	3175TD	.2881
20	40.798	2.440	.953	4.84E+03	1.126E+01	1.023E+01	.7743	.7040	.2700	.2455	7.47E-05	6.79E-05	3.06E-01	4DWN	3175TD	.2452
21	40.798	2.440	1.270	3.49E+03	9.712E+00	8.831E+00	.6694	.6078	.2330	.2118	6.44E-05	5.85E-05	2.64E-01	4DWN	3175TD	.2115
22	40.798	2.440	1.587	3.08E+03	8.520E+00	7.747E+00	.5864	.5332	.2044	.1858	5.65E-05	5.14E-05	2.32E-01	4DWN	3175TD	.1856
23	40.798	2.440	1.905	2.30E+03	6.406E+00	5.825E+00	.4413	.4013	.1537	.1397	4.25E-05	3.86E-05	1.74E-01	4DWN	3175TD	.1395
24	40.798	2.440	2.225													
25	40.798	3.810	.238	1.30E+04	2.829E+01	2.569E+01	1.9281	1.7511	.6785	.6162	1.88E-04	1.70E-04	7.69E-01	4DWN	3175TD	.6154
26	40.798	3.810	.476	5.35E+03	1.494E+01	1.358E+01	1.0248	.9307	.3583	.3257	9.91E-05	9.01E-05	4.05E-01	4DWN	3175TD	.3252
27	40.798	3.810	.714	3.30E+03	9.196E+00	8.361E+00	.6324	.5747	.2206	.2005	6.10E-05	5.55E-05	2.50E-01	4DWN	3175TD	.2003
28	40.798	3.810	.953	2.64E+03	7.343E+00	6.677E+00	.5054	.4594	.1761	.1602	4.87E-05	4.43E-05	2.00E-01	4DWN	3175TD	.1599
29	40.798	3.810	1.270	2.44E+03	6.789E+00	6.173E+00	.4674	.4248	.1628	.1481	4.50E-05	4.10E-05	1.84E-01	4DWN	3175TD	.1479
30	40.798	3.810	1.587	2.04E+03	5.667E+00	5.153E+00	.3903	.3549	.1359	.1236	3.76E-05	3.42E-05	1.54E-01	4DWN	3175TD	.1234
31	40.798	3.810	1.905	1.58E+03	4.397E+00	3.998E+00	.3028	.2753	.1054	.0959	2.92E-05	2.65E-05	1.19E-01	4DWN	3175TD	.0958
32	40.798	3.810	2.225	3.64E+02	2.400E+00	2.183E+00	.1656	.1506	.0576	.0524	1.59E-05	1.45E-05	6.52E-02	4DWN	3175TD	.0523
33	22.860	5.318	0.000	1.62E+04	4.595E+01	4.179E+01	2.3254	2.1094	1.[illegible]	.9999	3.05E-04	2.77E-04	9.35E-01	1UP	TILTOP	
34	25.400	5.318	0.000	1.53E+04	4.332E+01	3.930E+01	2.3136	2.0990	1.[illegible]	.9427	2.87E-04	2.61E-04	9.29E-01	1UPS	TILTOP	
35	27.940	5.319	0.000	1.68E+04	4.772E+01	4.329E+01	2.6696	2.4216	1.1[illegible]	.9383	3.17E-04	2.87E-04	1.07E+00	1UP	TILTOP	
36	31.110	5.319	0.000	1.70E+04	4.833E+01	4.384E+01	2.8510	2.5860	1.1592	1.0025	3.71E-04	2.91E-04	1.15E+00	1UP	TILTOP	
37	34.290	5.318	0.000	1.73E+04	4.911E+01	4.454E+01	3.0390	2.7562	1.1779	1.0683	3.26E-04	2.95E-04	1.22E+00	1UPS	TILTOP	
38	43.340	0.000	0.000	1.58E+04	4.473E+01	4.058E+01	3.1205	2.8311	1.0730	.9735	2.97E-04	2.69E-04	1.25E+00	4DWN	TILTOP	

MACH 8 V.D. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUN(48) 1972 PAGE 58

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HT/HTOP
40	45.880	0.000	0.000	1.50E+04	4.236E+01	3.844E+01	3.9456	2.7637	1.0161	.9221	2.81E-04	2.59E-04	1.22E+00	4DWN	TILTOP	
41	48.428	0.000	0.000	1.72E+04	4.892E+01	4.438E+01	3.6346	3.2699	1.1735	1.0645	3.25E-04	2.94E-04	1.45E+00	4DWN	TILTOP	
42	51.598	0.000	0.000	1.55E+04	4.408E+01	4.000E+01	3.3567	3.0456	1.0574	.9597	2.92E-04	2.65E-04	1.35E+00	4DWN	TILTOP	
43	54.778	0.000	0.000	1.74E+04	4.944E+01	4.485E+01	3.8729	3.5131	1.1860	1.0758	3.28E-04	2.98E-04	1.56E+00	4DWN	TILTOP	
44	57.948	0.000	0.000	1.67E+04	4.760E+01	4.318E+01	3.8341	3.4778	1.1418	1.0357	3.16E-04	2.86E-04	1.54E+00	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 58																
H-REF W/M2-K	3.87E+00	3.42E+00	3.36E+00	2.91E+00	3.12E+00	2.29E+00	1.84E+00	2.14E+00	1.59E+00	2.33E+00	2.88E+00					
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.80E+01	4.86E+01	5.17E+01	5.49E+01	5.81E+01					

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

MACH 8 V.D. TEST(624), C.9.JOHNSON RSI TILE GAPS, RUN(50) 1972 PAGE 91

TSTAG(K) = 6.7329E+02
PSTAG(N/M2)= 3.3909E+05
Q CODE = 1
DEG OF FIT = 1
RE/METER = 2.1719E+06
MACH = 7.700
XNSTREF = .408
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
FREE STREAM POSITION
HL IS FOR TC-33 = 3.6690E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
1	40.790	3.000	.238	5.92E+02	2.162E+00	1.940E+00	.6438	.5777	.5588	.5015	2.66E-04	2.38E-04	2.63E-01	4DWN	3175ST	.8534
2	40.790	3.000	.476	3.13E+02	1.143E+00	1.026E+00	.3405	.3056	.2955	.2652	1.40E-04	1.26E-04	1.39E-01	4DWN	3175ST	.4513
3	40.790	3.000	.714	7.73E+01	2.818E-01	2.529E-01	.0840	.0754	.0728	.0654	3.46E-05	3.11E-05	3.42E-02	4DWN	3175ST	.1112
4	40.790	3.000	.953	3.33E+01	1.215E-01	1.091E-01	.0362	.0325	.0314	.0282	1.49E-05	1.34E-05	1.48E-02	4DWN	3175ST	.0480
5	40.790	3.000	1.270	2.57E+01	9.357E-02	8.398E-02	.0279	.0250	.0242	.0217	1.15E-05	1.03E-05	1.14E-02	4DWN	3175ST	.0369
6	40.790	3.000	1.587	2.24E+01	8.181E-02	7.343E-02	.0244	.0219	.0211	.0190	1.00E-05	9.02E-06	9.93E-03	4DWN	3175ST	.0323
7	40.790	3.000	1.905	1.32E+01	4.800E-02	4.309E-02	.0143	.0128	.0124	.0111	5.90E-06	5.29E-06	5.83E-03	4DWN	3175ST	.0189
8	41.790	0.000	2.225	2.04E+01	7.444E-02	6.682E-02	.0222	.0199	.0192	.0173	9.14E-06	8.21E-06	9.04E-03	4DWN	3175ST	.0294
9	40.790	1.270	.238	1.78E+02	6.487E-01	5.823E-01	.1933	.1735	.1677	.1505	7.97E-05	7.15E-05	7.88E-02	4DWN	3175TD	.2561
10	40.790	1.270	.476	5.17E+01	1.886E-01	1.693E-01	.0562	.0505	.0487	.0438	2.32E-05	2.08E-05	2.29E-02	4DWN	3175TD	.0744
11	40.790	1.270	.714	6.73E+01	2.454E-01	2.203E-01	.0732	.0657	.0634	.0569	3.01E-05	2.71E-05	2.98E-02	4DWN	3175TD	.0969
12	40.790	1.270	.953	1.71E+01	6.222E-02	5.585E-02	.0185	.0166	.0161	.0144	7.64E-06	6.86E-06	7.56E-03	4DWN	3175TD	.0246
13	40.790	1.270	1.270	2.93E+01	1.068E-01	9.585E-02	.0318	.0286	.0276	.0248	1.31E-05	1.18E-05	1.30E-02	4DWN	3175TD	.0422
14	40.790	1.270	1.587	7.53E+00	2.748E-02	2.466E-02	.0082	.0073	.0071	.0064	3.38E-06	3.03E-06	3.34E-03	4DWN	3175TD	.0108
15	40.790	1.270	1.905	8.06E+00	2.939E-02	2.638E-02	.0088	.0079	.0076	.0068	3.61E-06	3.24E-06	3.57E-03	4DWN	3175TD	.0116
16	40.790	1.270	2.225	3.22E+01	1.175E-01	1.055E-01	.0350	.0315	.0304	.0273	1.44E-05	1.30E-05	1.43E-02	4DWN	3175TD	.0464
17	43.790	2.440	.238	1.47E+02	5.373E-01	4.823E-01	.1601	.1437	.1389	.1246	6.60E-05	5.92E-05	6.53E-02	4DWN	3175TD	.2121
18	40.790	2.440	.476	8.29E+01	3.025E-01	2.715E-01	.0901	.0809	.0782	.0702	3.72E-05	3.34E-05	3.67E-02	4DWN	3175TD	.1194
19	40.790	2.440	.714	4.61E+01	1.681E-01	1.509E-01	.0501	.0450	.0434	.0390	2.06E-05	1.85E-05	2.04E-02	4DWN	3175TD	.0664
20	40.790	2.440	.953	4.50E+01	1.641E-01	1.473E-01	.0489	.0439	.0424	.0381	2.02E-05	1.81E-05	1.99E-02	4DWN	3175TD	.0648
21	40.790	2.441	1.270	2.15E+00	7.839E-03	7.036E-03	.0023	.0021	.0020	.0018	9.63E-07	8.64E-07	9.52E-04	4DWN	3175TD	.0031
22	40.790	2.440	1.587													
23	40.790	2.441	1.905	4.33E+01	1.577E-01	1.416E-01	.0470	.0422	.0408	.0366	1.94E-05	1.74E-05	1.92E-02	4DWN	3175TD	.0623
24	40.790	2.441	2.225	1.22E+01	4.493E-02	4.033E-02	.0133	.0119	.0116	.0104	5.52E-06	4.95E-06	5.46E-03	4DWN	3175TD	.0177
25	40.790	3.810	.238	3.57E+02	1.305E+00	1.171E+00	.3884	.3485	.3374	.3027	1.60E-04	1.44E-04	1.59E-0	4DWN	3175TD	.5152
26	43.790	3.810	.476	1.63E+02	5.968E-01	5.358E-01	.1776	.1594	.1542	.1384	7.33E-05	6.58E-05	7.25E-02	4DWN	3175TD	.2356
27	43.790	3.810	.714	8.29E+01	3.029E-01	2.720E-01	.0358	.0321	.0311	.0279	1.48E-05	1.33E-05	1.4[illegible]-02	4DWN	3175TD	.0474
28	40.790	3.810	.953	3.33E+01	1.216E-01	1.092E-01	.0362	.0325	.0314	.0282	1.49E-05	1.34E-05	1.48[illegible]-02	4DWN	3175TD	.0480
29	40.790	3.810	1.270	2.59E+01	9.465E-02	8.495E-02	.0282	.0253	.0245	.0220	1.16E-05	1.04E-05	1.15E-02	4DWN	3175TD	.0374
30	40.790	3.810	1.587	1.60E+01	5.835E-02	5.237E-02	.0174	.0156	.0151	.0135	7.17E-06	6.43E-06	7.09E-03	4DWN	3175TD	.0230
31	40.790	3.810	1.905	4.48E+00	1.619E-02	1.453E-02	.0048	.0043	.0042	.0038	1.99E-06	1.78E-06	1.97E-03	4DWN	3175TD	.0064
32	43.790	3.810	2.225	2.67E+01	9.649E-02	8.[illegible]72E-02	.0285	.0256	.0247	.0222	1.17E-05	1.05E-05	1.16E-02	4DWN	3175TD	.0377
33	22.860	5.318	0.000	1.15E+03	3.869E+00	3.470E+00	.8579	.7693	1.0001	.8969	4.75E-04	4.26E-04	3.52E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	9.72E+02	3.423E+00	3.069E+00	.7599	.7173	.8846	.7933	4.20E-04	3.77E-04	3.28E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	9.10E+02	3.341E+00	2.996E+00	.8192	.7347	.8635	.7746	4.10E-04	3.68E-04	3.36E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	7.92E+02	2.907E+00	2.607E+00	.7524	.6749	.7513	.6739	3.57E-04	3.20E-04	3.03E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	8.51E+02	3.120E+00	2.798E+00	.8481	.7607	.8064	.7233	3.83E-04	3.44E-04	3.47E-01	1UPS	TILTOP	
39	43.340	0.000	0.000	6.26E+02	2.289E+00	2.054E+00	.7015	.6294	.5917	.5309	2.81E-04	2.52E-04	2.87E-01	4DWN	TILTOP	

ORIGINAL PAGE IS POOR.

MACH 8 V.O. TEST(62A), C.S.JOHNSON RSI TILE GAPS, RUN(50) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STSL	TILE	GAP	HL/HTOP
40	45.080	0.000	0.000	2.86E+02	1.84E+00	9.37E-01	.3293	.2954	.2699	.2422	1.28E-04	1.15E-04	1.35E-01	4DWN	TILTOP	
41	48.420	0.000	0.000	5.95E+02	2.13E+00	1.91E+00	.6927	.6215	.5529	.4961	2.63E-04	2.36E-04	2.83E-01	4DWN	TILTOP	
42	51.590	0.000	0.000	4.33E+02	1.58E+00	1.42E+00	.5295	.4750	.4098	.3676	1.95E-04	1.75E-04	2.17E-01	4DWN	TILTOP	
43	54.770	0.000	0.000	6.34E+02	2.32E+00	2.08E+00	.7994	.7171	.6011	.5392	2.86E-04	2.56E-04	3.27E-01	4DWN	TILTOP	
44	57.940	0.000	0.000	7.86E+02	2.88E+00	2.58E+00	1.0189	.9139	.7450	.6682	3.54E-04	3.18E-04	4.17E-01	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 51
H-REF W/M2-K 4.66E+00 4.32E+00 4.55E+00 4.19E+00 4.45E+00 3.27E+00 2.65E+00 3.46E+00 3.99E+00 3.74E+00 4.62E+00
AT X(CM) 2.29E+01 2.54E+01 2.79E+01 3.11E+01 3.43E+01 4.35E+01 4.68E+01 4.86E+01 5.17E+01 5.69E+01 5.8.E+01

TSTAG(K) = 6.9934E+02
PSTAG(N/M2) = 1.4803E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 3.6417E+06
MACH = 7.798
XNSTREF = .466
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
FREE STREAM POSITION
HI IS FOR TC-33 = 4.6590E+08

T/C	X (CM)	Y (CM)	Z (CM)	Q (N/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/HI	HT/HI	STL	STT	STREL	TILE	GAP	HL/HTOP
1	40.798	0.000	.238	8.75E+02	2.999E+00	2.788E+00	.6938	.6246	.6438	.5796	2.23E-04	2.01E-04	2.82E-01	4DWN	3175ST	.8298
2	40.798	0.000	.476	5.33E+02	1.825E+00	1.643E+00	.4223	.3802	.3916	.3526	1.36E-04	1.22E-04	1.71E-01	4DWN	3175ST	.5843
3	40.798	0.000	.714	1.90E+02	6.489E-01	5.842E-01	.1503	.1353	.1393	.1254	4.82E-05	4.34E-05	6.09E-02	4DWN	3175ST	.1793
4	40.798	0.000	.953	6.27E+01	2.147E-01	1.933E-01	.0497	.0448	.0461	.0415	1.60E-05	1.44E-05	2.02E-02	4DWN	3175ST	.0593
5	40.798	0.000	1.270	1.42E+01	4.872E-02	4.387E-02	.0113	.0102	.0105	.0094	3.62E-06	3.26E-06	4.58E-03	4DWN	3175ST	.0135
6	40.798	0.000	1.587	6.04E+00	2.068E-02	1.862E-02	.0048	.0043	.0044	.0040	1.54E-06	1.38E-06	1.94E-03	4DWN	3175ST	.0057
7	40.798	0.000	1.905	4.22E+01	1.443E-01	1.300E-01	.0334	.0301	.0310	.0279	1.07E-05	9.66E-06	1.36E-02	4DWN	3175ST	.0399
8	40.798	0.000	2.225	4.15E+01	1.420E-01	1.279E-01	.0329	.0296	.0305	.0274	1.06E-05	9.51E-06	1.33E-02	4DWN	3175ST	.0393
9	40.798	1.270	.238	2.88E+02	9.864E-01	8.881E-01	.2285	.2057	.2117	.1906	7.33E-05	6.60E-05	9.26E-02	4DWN	3175TD	.2726
10	40.798	1.270	.476	1.82E+02	6.484E-01	5.837E-01	.0807	.0727	.0748	.0673	2.59E-05	2.33E-05	3.27E-02	4DWN	3175TD	.0963
11	40.798	1.270	.714	8.64E+01	2.956E-01	2.662E-01	.0685	.0617	.0634	.0571	2.20E-05	1.98E-05	2.78E-02	4DWN	3175TD	.0817
12	40.798	1.270	.953	4.68E+01	1.600E-01	1.441E-01	.0371	.0334	.0343	.0309	1.19E-05	1.07E-05	1.50E-02	4DWN	3175TD	.0442
13	40.798	1.270	1.270	1.21E+00	4.138E-03	3.726E-03	.0010	.0009	.0009	.0008	3.08E-07	2.77E-07	3.89E-04	4DWN	3175TD	.0011
14	40.798	1.270	1.587	1.72E+01	5.897E-02	5.310E-02	.0136	.0123	.0127	.0114	4.38E-06	3.95E-06	5.54E-03	4DWN	3175TD	.0163
15	40.798	1.270	1.905	4.03E+00	1.380E-02	1.242E-02	.0032	.0029	.0030	.0027	1.03E-06	9.23E-07	1.30E-03	4DWN	3175TD	.0038
16	40.798	1.270	2.225	9.54E+00	3.264E-02	2.939E-02	.0076	.0068	.0070	.0063	2.43E-06	2.19E-06	3.07E-03	4DWN	3175TD	.0090
17	40.798	2.440	.238	2.34E+02	7.996E-01	7.199E-01	.1851	.1667	.1716	.1545	5.94E-05	5.35E-05	7.51E-02	4DWN	3175TD	.2210
18	40.798	2.440	.476	1.37E+02	3.862E-01	3.297E-01	.0848	.0763	.0786	.0708	2.72E-05	2.45E-05	3.44E-02	4DWN	3175TD	.1012
19	40.798	2.440	.714	1.08E+02	3.834E-01	3.317E-01	.0853	.0768	.0791	.0712	2.74E-05	2.47E-05	3.46E-02	4DWN	3175TD	.1018
20	40.798	2.440	.953	1.07E+02	3.679E-01	3.312E-01	.0852	.0767	.0790	.0711	2.74E-05	2.46E-05	3.46E-02	4DWN	3175TD	.1017
21	40.798	2.440	1.270	2.96E+01	1.012E-01	9.109E-02	.0234	.0211	.0217	.0196	7.52E-06	6.77E-06	9.50E-03	4DWN	3175TD	.0280
22	40.798	2.440	1.587	2.75E+01	9.431E-02	8.491E-02	.0218	.0197	.0202	.0182	7.01E-06	6.31E-06	8.86E-03	4DWN	3175TD	.0261
23	40.798	2.440	1.905	5.76E+01	1.973E-01	1.776E-01	.0457	.0411	.0423	.0381	1.47E-05	1.32E-05	1.85E-02	4DWN	3175TD	.0545
24	40.798	2.440	2.225													
25	40.798	3.810	.238	4.83E+02	1.655E+00	1.490E+00	.3826	.3444	.3552	.3197	1.23E-04	1.11E-04	1.55E-01	4DWN	3175TD	.4573
26	40.798	3.810	.476	1.67E+02	5.739E-01	5.166E-01	.1328	.1195	.1232	.1109	4.27E-05	3.84E-05	5.39E-02	4DWN	3175TD	.1586
27	40.798	3.810	.714	5.48E+01	1.878E-01	1.691E-01	.0435	.0391	.0403	.0363	1.40E-05	1.26E-05	1.76E-02	4DWN	3175TD	.0519
28	40.798	3.810	.953	2.42E+01	8.284E-02	7.459E-02	.0192	.0173	.0178	.0160	6.16E-06	5.55E-06	7.78E-03	4DWN	3175TD	.0229
29	40.798	3.810	1.270	1.93E+01	6.629E-02	5.968E-02	.0153	.0138	.0142	.0128	4.93E-06	4.44E-06	6.23E-03	4DWN	3175TD	.0183
30	40.798	3.810	1.587	1.63E+01	5.570E-02	5.014E-02	.0129	.0116	.0120	.0108	4.14E-06	3.73E-06	5.23E-03	4DWN	3175TD	.0154
31	40.798	3.810	1.905	1.17E+01	4.007E-02	3.607E-02	.0093	.0083	.0086	.0077	2.98E-06	2.68E-06	3.76E-03	4DWN	3175TD	.0111
32	40.798	3.810	2.225	6.31E+00	2.161E-02	1.946E-02	.0050	.0045	.0046	.0042	1.61E-06	1.45E-06	2.03E-03	4DWN	3175TD	.0060
33	22.860	5.318	0.000	1.35E+03	4.659E+00	4.191E+00	.8024	.7218	1.0000	.8996	3.46E-04	3.12E-04	3.28E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	1.25E+03	4.316E+00	3.883E+00	.7838	.7051	.9265	.8334	3.21E-04	2.89E-04	3.20E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	1.32E+03	4.547E+00	4.091E+00	.8666	.7796	.9761	.8781	3.38E-04	3.04E-04	3.53E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	1.22E+03	4.186E+00	3.766E+00	.8420	.7576	.8985	.8084	3.11E-04	2.80E-04	3.43E-01	1UPS	TILTOP	
37	34.296	5.318	0.000	1.29E+03	4.449E+00	4.003E+00	.9398	.8455	.9549	.8592	3.31E-04	2.98E-04	3.83E-01	1UPS	TILTOP	
38	43.348	8.000	0.000	9.53E+02	3.273E+00	2.946E+00	.7794	.7015	.7024	.6323	2.43E-04	2.19E-04	3.17E-01	4DWN	TILTOP	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

PAGE 54

MACH 8 V.F. TEST(626), G.B.JOHNSON RSI TILE GAPS, RUN1 22, 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
40	45.000	0.000	0.000	7.73E+02	2.65E+00	2.38E+00	.6583	.5854	.5693	.5125	1.97E-04	1.78E-04	2.64E-01	4DWN	TILTOP	
41	48.420	0.000	0.000	1.03E+03	3.45BE+00	3.113E+00	.8707	.7837	.7422	.6681	2.57E-04	2.31E-04	3.54E-01	4DWN	TILTOP	
42	51.590	0.000	0.000	1.16E+03	3.992E+00	3.593F+00	1.0367	.9331	.8569	.7712	2.97E-04	2.67E-04	4.22E-01	4DWN	TILTOP	
43	54.770	0.000	0.000	1.09E+03	3.74OE+00	3.365E+00	.9995	.8994	.8026	.7223	2.78E-04	2.50E-04	4.07E-01	4DWN	TILTOP	
44	57.940	0.000	0.000	1.34E+03	4.621E+00	4.158E+00	1.2694	1.1422	.9914	.8924	3.44E-04	3.09E-04	5.17E-01	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 52

H-REF W/M2-K	6.53E+00	6.23E+00	6.04E+00	6.41E+00	6.57E+00	5.56E+00	5.07E+00	6.73E+00	7.09E+00	8.12E+00	1.31E+01					
AT X(CM)	2.29E+01	2.54E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.88E+01	4.88E+01	5.17E+01	5.49E+01	5.81E+01					

TSTAG(K) = 7.2201E+02
PSTAG(N/M2) = 2.4938E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 5.9711E+06
MACH = 7.860
XMSTREF = .+05
TAW/TT =SQRT(PR) FOR HL,HR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
FREE STREAM POSITION
H1 IS FOR TC=33 = 8.5310E+00

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
1	40.790	0.000	.238	5.59E+02	1.041E+00	1.661E+00	.3357	.3029	.2813	.2543	8.61E-05	7.77E-05	1.36E-01	4DWN	3175ST	.3136
2	40.790	0.000	.476	4.26E+02	1.393E+00	1.248E+00	.2524	.2278	.2118	.1911	6.47E-05	5.84E-05	1.02E-01	4DWN	3175ST	.2356
3	40.790	0.000	.714	1.45E+02	4.698E-01	4.24CE-01	.0858	.0775	.0719	.0649	2.20E-05	1.98E-05	3.47E-02	4DWN	3175ST	.0800
4	40.790	0.000	.953	6.68E+01	2.802E-01	2.528E-01	.0512	.0462	.0429	.0387	1.31E-05	1.18E-05	2.07E-02	4DWN	3175ST	.0477
5	40.790	0.000	1.270	2.44E+01	7.859E-02	7.093E-02	.0144	.0130	.0120	.0109	3.68E-06	3.32E-06	5.80E-03	4DWN	3175ST	.0134
6	40.790	0.000	1.587	1.04E+01	3.343E-02	3.018E-02	.0061	.0055	.0051	.0046	1.56E-06	1.41E-06	2.47E-03	4DWN	3175ST	.0057
7	40.790	0.000	1.905	7.95E+01	2.566E-01	2.31EE-01	.0469	.0423	.0393	.0355	1.20E-05	1.08F-05	1.90E-02	4DWN	3175ST	.0437
8	40.790	0.000	2.225	1.39E+01	3.516E-02	3.174E-02	.0064	.0058	.0054	.0049	1.64E-06	1.48E-06	2.60E-03	4DWN	3175ST	.0060
9	40.790	1.270	.238	5.87E+02	1.096E+00	1.711F+00	.3452	.3125	.2982	.2619	8.87E-05	8.00E-05	1.40E-01	4DWN	3175TD	.3229
10	40.790	1.270	.476	2.54E+02	8.204E-01	7.404E-01	.1499	.1353	.1256	.1134	3.84E-05	3.46E-05	6.06E-02	4DWN	3175TD	.1398
11	40.790	1.270	.714	1.00E+02	3.231E-01	2.916E-01	.0591	.0533	.0495	.0447	1.51E-05	1.36E-05	2.39E-02	4DWN	3175TD	.0550
12	41.790	1.270	.953	3.42E+01	1.103E-01	9.957E-02	.0202	.0182	.0169	.0152	5.16E-06	4.66E-06	8.15E-03	4DWN	3175TD	.0188
13	40.790	1.270	1.270	6.19E+00	1.997E-02	1.803E-02	.0037	.0033	.0031	.0028	9.34E-07	8.43E-07	1.48E-03	4DWN	3175TD	.0034
14	40.790	1.270	1.587	6.36E+01	2.068E-01	2.508E-01	.0524	.0473	.0439	.0396	1.34E-05	1.21E-05	2.12E-02	4DWN	3175TD	.0489
15	40.790	1.270	1.905	2.73E+01	8.815F-02	7.956F-02	.0161	.0145	.0135	.0122	4.12E-06	3.72E-06	6.51E-03	4DWN	3175TD	.0150
16	40.790	1.270	2.225	1.26E+02	4.081E-01	3.684F-01	.0746	.0673	.0625	.0564	1.91E-05	1.72E-05	3.01F-02	4DWN	3175TD	.0695
17	40.790	2.540	.238	4.69E+02	1.517E+00	1.369E+00	.2770	.2500	.2322	.2096	7.10F-05	6.40E-05	1.12E-01	4DWN	3175TD	.2584
18	41.790	2.540	.476	2.37L+02	9.780E-01	8.375E-01	.1695	.1530	.1421	.1282	4.34F-05	3.92E-05	6.85E-02	4DWN	3175TD	.1581
19	40.790	2.540	.714	1.34E+02	4.313E-01	3.833E-01	.0789	.0711	.0660	.0596	2.02F-05	1.82E-05	3.19E-02	4DWN	3175TD	.0735
20	41.790	2.540	.953	2.56E+01	9.251E-02	7.447E-02	.0151	.0136	.0126	.0114	3.86E-06	3.48E-06	6.09E-03	4DWN	3175TD	.0141
21	41.790	2.540	1.270	2.35E+01	7.599E-02	6.859E-02	.0139	.0125	.0116	.0105	3.55E-06	3.21E-06	5.61E-03	4DWN	3175TD	.0129
22	40.790	2.540	1.587	8.37E+01	2.607E-01	2.352E-01	.0476	.0430	.0399	.0360	1.22E-05	1.10E-05	1.93E-02	4DWN	3175TD	.0444
23	41.790	2.540	1.905	3.52E+01	1.233E-01	1.113F-01	.0225	.0203	.0189	.0170	5.77E-06	5.21E-06	9.11E-03	4DWN	3175TD	.0210
24	40.790	2.540	2.225													
25	40.790	3.810	.238	8.48E+02	2.747E+00	2.478E+00	.5007	.4517	.4205	.3796	1.28E-04	1.16E-04	2.03E-01	4DWN	3175TD	.4679
26	41.790	3.810	.476	4.19E+02	1.356E+00	1.221E+00	.2471	.2230	.2073	.1870	6.33F-05	5.71E-05	1.00E-01	4DWN	3175TD	.2306
27	40.790	3.810	.714	1.34E+02	4.339E-01	3.911E-01	.0792	.0715	.0664	.0600	2.03E-05	1.83E-05	3.20E-02	4DWN	3175TD	.0739
28	41.790	3.810	.953	2.40E+01	7.736E-02	6.981E-02	.0141	.0128	.0119	.0107	3.62E-06	3.27E-06	5.71E-03	4DWN	3175TD	.0132
29	41.790	3.810	1.270	2.89E+01	9.349E-02	8.434E-02	.0171	.0154	.0143	.0129	4.37E-06	3.95E-06	6.90E-03	4DWN	3175TD	.0159
30	41.790	3.810	1.587	3.23E+00	1.043E-02	9.414E-03	.0019	.0017	.0016	.0014	+.88E-07	4.46E-07	7.73E-04	4DWN	3175TD	.0018
31	41.790	3.810	1.905	2.49E+01	8.045E-02	7.260E-02	.0147	.0133	.0123	.0111	3.76E-06	3.40E-06	5.94E-03	4DWN	3175TD	.0137
32	40.790	3.810	2.225	7.00E+00	2.257E-02	2.037E-02	.0041	.0037	.0035	.0031	1.06E-06	9.53E-07	1.67E-03	4DWN	3175TD	.0038
33	22.860	5.319	0.000	2.01E+03	6.531E+00	5.886E+00	.8669	.7997	1.0000	.9018	3.06E-04	2.75E-04	3.61E-01	1UPS	TILTOP	
34	25.400	5.319	0.000	1.81E+03	5.825E+00	5.613E+00	.8914	.8038	.9532	.8594	2.91E-04	2.63E-04	3.63E-01	1UPS	TILTOP	
35	27.940	5.319	0.000	2.10E+03	6.8+5E+00	6.172F+00	1.0281	.9271	1.0480	.9450	3.20E-04	2.89E-04	4.18E-01	1UPS	TILTOP	
36	31.110	5.319	0.000	1.97E+03	6.405E+00	5.776E+00	1.0155	.9157	.9807	.8844	3.00E-04	2.70E-04	4.13E-01	1UPS	TILTOP	
37	34.290	5.319	0.000	2.32E+03	6.566E+00	5.920E+00	1.0924	.9858	1.0053	.9065	3.07E-04	2.77E-04	4.45E-01	1UPS	TILTOP	
39	43.340	5.000	0.000	1.72E+03	5.581E+00	5.034E+00	1.0469	.9444	.8545	.7708	2.61E-04	2.35E-04	4.25E-01	4DWN	TILTOP	

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(62+), G.S.JOHNSON RSI TILE GAPS, RUN(52) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/HR	MT/HR	ML/MI	MT/MI	STL	STT	STREL	TILE	GAP	ML/MTOP
40	45.880	0.000	0.000	1.58E+03	5.071E+00	4.574E+00	.9789	.8830	.7764	.7003	2.37E-04	2.14E-04	3.97E-01	4DWN	TILTOP	
41	48.420	0.300	0.010	2.07E+03	6.733E+00	6.072E+00	1.3341	1.2032	1.0309	.9298	3.15E-04	2.84E-04	5.42E-01	4DWN	TILTOP	
42	51.590	0.000	0.000	2.43E+03	7.893E+00	7.118E+00	1.6123	1.4539	1.2086	1.0899	3.69E-04	3.33E-04	6.56E-01	4DWN	TILTOP	
43	54.770	0.000	0.000	2.50E+03	8.116E+00	7.319E+00	1.7078	1.5400	1.2427	1.1206	3.80E-04	3.42E-04	6.95E-01	4DWN	TILTOP	
44	57.940	0.000	0.000	3.69E+03	1.197E+01	9.076E+00	2.1764	1.9623	1.5413	1.3897	4.71E-04	4.25E-04	8.86E-01	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 53
H-REF W/M2-K 1.22E+01 1.18E+01 1.30E+01 1.36E+01 1.65E+01 1.51E+01 1.50E+01 2.37E+01 2.56E+01 2.90E+01 3.42E+01
AT X(CM) 2.29E+01 2.54E+01 2.79E+01 3.11E+01 3.43E+01 4.35E+01 4.68E+01 4.86E+01 5.17E+01 5.49E+01 5.81E+01

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

MACH 8 V.D. TEST(624), C.9.JOHNSON RSI TILE GAPS, RUN(53) 1972 PAGE 97

TSTAG(K) = 7.4997E+02
PSTAG(N/M2) = 5.1869E+06
Q CODE = 1
DEG OF FIT = 1
RE/METER = 1.1188E+07
MACH = 7.980
XNSTREF = .406
TAW/TT =SQRT(PR) FOR ML,MR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
FREE STREAM POSITION
M1 IS FOR TC-33 = 1.2190E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	HT (W/M2-K)	ML/MR	HT/HR	ML/M1	HT/M1	STL	STT	STREL	TILE	GAP	ML/HTOP
1	43.790	3.000	.238	4.91E+03	1.493E+01	1.349E+01	1.9491	1.7621	1.2244	1.1070	3.67E-04	3.31E-04	7.91E-01	4DWN	3175ST	.9611
2	43.790	3.000	.476	2.85E+03	8.634E+00	7.808E+00	1.1301	1.0220	.7083	.6406	2.12E-04	1.92E-04	4.58E-01	4DWN	3175ST	.5560
3	43.790	3.000	.714	9.66E+02	2.917E+00	2.639E+00	.3829	.3464	.2393	.2165	7.16E-05	6.48E-05	1.55E-01	4DWN	3175ST	.1879
4	43.790	3.000	.953	2.68E+02	8.461E-01	7.656E-01	.1112	.1006	.0694	.0628	2.08E-05	1.88E-05	4.48E-02	4DWN	3175ST	.0545
5	43.790	3.000	1.270	8.22E+01	2.478E-01	2.242E-01	.0326	.0295	.0203	.0184	6.09E-06	5.51E-06	1.31E-02	4DWN	3175ST	.0160
6	43.790	3.000	1.587	4.30E+01	1.295E-01	1.172E-01	.0170	.0154	.0106	.0096	3.18E-06	2.88E-06	6.87E-03	4DWN	3175ST	.0083
7	43.790	3.000	1.905	4.30E+01	1.295E-01	1.172E-01	.0170	.0154	.0106	.0096	3.18E-06	2.88E-06	6.86E-03	4DWN	3175ST	.0083
8	43.790	3.000	2.225	4.19E+01	1.262E-01	1.142E-01	.0166	.0150	.0104	.0094	3.10E-06	2.80E-06	6.69E-03	4DWN	3175ST	.0081
9	43.790	1.270	.238	1.33E+03	4.004E+00	3.623E+00	.5264	.4763	.3285	.2973	9.83E-05	8.90E-05	2.12E-01	4DWN	3175TD	.2578
10	43.790	1.270	.476	5.40E+02	1.628E+00	1.474E+00	.2142	.1939	.1336	.1209	4.00E-05	3.62E-05	8.63E-02	4DWN	3175TD	.1048
11	43.790	1.270	.714	2.06E+02	6.036E-01	5.462E-01	.0794	.0719	.0495	.0448	1.48E-05	1.34E-05	3.20E-02	4DWN	3175TD	.0369
12	43.790	1.270	.953	1.42E+02	4.271E-01	3.865E-01	.0562	.0508	.0350	.0317	1.05E-05	9.49E-06	2.26E-02	4DWN	3175TD	.0275
13	43.790	1.270	1.270	4.34E+01	1.307E-01	1.183E-01	.0172	.0156	.0107	.0097	3.21E-06	2.90E-06	6.93E-03	4DWN	3175TD	.0084
14	43.790	1.270	1.587	1.55E+02	4.678E-01	4.232E-01	.0616	.0557	.0384	.0347	1.15E-05	1.04E-05	2.48E-02	4DWN	3175TD	.0301
15	43.790	1.270	1.905	9.56E+00	2.881E-02	2.608E-02	.0038	.0034	.0024	.0021	7.08E-07	6.40E-07	1.53E-03	4DWN	3175TD	.0019
16	43.790	1.270	2.225	2.02E+02	6.095E-01	5.516E-01	.0802	.0726	.0500	.0453	1.50E-05	1.35E-05	3.23E-02	4DWN	3175TD	.0392
17	43.790	2.440	.238	1.23E+03	3.708E+00	3.355E+00	.4874	.4410	.3042	.2753	9.11E-05	8.24E-05	1.97E-01	4DWN	3175TD	.2388
18	43.790	2.440	.476	7.31E+02	2.204E+00	1.995E+00	.2898	.2623	.1808	.1636	5.41E-05	4.90E-05	1.17E-01	4DWN	3175TD	.1419
19	43.790	2.440	.714	3.48E+02	1.041E+00	9.423E-01	.1370	.1240	.0854	.0773	2.56E-05	2.31E-05	5.52E-02	4DWN	3175TD	.0670
20	43.790	2.440	.953	1.82E+02	5.479E-01	4.959E-01	.0721	.0652	.0449	.0407	1.35E-05	1.22E-05	2.90E-02	4DWN	3175TD	.0353
21	43.790	2.440	1.270	8.27E+01	2.492E-01	2.255E-01	.0328	.0297	.0204	.0185	6.12E-06	5.54E-06	1.32E-02	4DWN	3175TD	.0160
22	43.790	2.440	1.587	8.08E+01	2.436E-01	2.205E-01	.0320	.0290	.0200	.0181	5.98E-06	5.41E-06	1.29E-02	4DWN	3175TD	.0157
23	43.790	2.440	1.905	6.10E+01	1.838E-01	1.664E-01	.0242	.0219	.0151	.0136	4.52E-06	4.09E-06	9.74E-03	4DWN	3175TD	.0118
24	43.790	2.440	2.225													
25	43.790	3.810	.238	2.74E+03	8.297E+00	7.504E+00	1.0873	.9835	.6806	.6156	2.04E-04	1.84E-04	4.40E-01	4DWN	3175TD	.5342
26	43.790	3.810	.476	1.09E+03	3.291E+00	2.978E+00	.4324	.3912	.2700	.2443	8.08E-05	7.31E-05	1.74E-01	4DWN	3175TD	.2119
27	43.790	3.810	.714	2.81E+02	8.459E-01	7.655E-01	.1112	.1006	.0694	.0628	2.08E-05	1.88E-05	4.48E-02	4DWN	3175TD	.0545
28	43.790	3.810	.953	9.24E+01	2.787E-01	2.522E-01	.0366	.0332	.0229	.0207	6.84E-06	6.19E-06	1.48E-02	4DWN	3175TD	.0179
29	43.790	3.810	1.270	1.29E+01	3.899E-02	3.526E-02	.0051	.0046	.0032	.0029	9.58E-07	8.67E-07	2.07E-03	4DWN	3175TD	.0025
30	43.790	3.810	1.587	4.14E+01	1.247E-01	1.128E-01	.0164	.0148	.0102	.0093	3.06E-06	2.77E-06	6.61E-03	4DWN	3175TD	.0080
31	43.790	3.810	1.905	1.82E+01	5.484E-02	4.963E-02	.0072	.0065	.0045	.0041	1.35E-06	1.22E-06	2.91E-03	4DWN	3175TD	.0035
32	43.790	3.810	2.225	7.03E+01	2.358E-01	2.134E-01	.0310	.0281	.0193	.0175	5.79E-06	5.24E-06	1.25E-02	4DWN	3175TD	.0152
33	22.860	5.318	0.000	4.81E+03	1.219E+01	1.102E+01	1.1911	1.0767	1.0001	.9041	2.99E-04	2.71E-04	4.64E-01	1UPS	TILTOP	
34	25.400	5.318	0.000	3.81E+03	1.159E+01	1.048E+01	1.1945	1.0799	.9511	.8598	2.85E-04	2.57E-04	4.85E-01	1UPS	TILTOP	
35	27.940	5.318	0.000	4.54E+03	1.381E+01	1.249E+01	1.4914	1.3481	1.1331	1.0243	3.39E-04	3.07E-04	6.06E-01	1UPS	TILTOP	
36	31.110	5.318	0.000	4.48E+03	1.362E+01	1.231E+01	1.5514	1.4024	1.1178	1.0098	3.34E-04	3.02E-04	6.30E-01	1UPS	TILTOP	
37	34.290	5.318	0.000	5.40E+03	1.646E+01	1.487E+01	1.9644	1.7752	1.3499	1.2199	4.04E-04	3.65E-04	8.00E-01	1UPS	TILTOP	
39	43.340	0.000	0.000	4.99E+03	1.515E+01	1.369E+01	2.0408	1.8453	1.2425	1.1235	3.72E-04	3.36E-04	8.27E-01	4DWN	TILTOP	

MACH 8 V.O. TEST(624), C.B.JOHNSON RSI TILE GAPS. RUN(53) 1972

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	HT (W/M2-K)	ML/HR	HT/HR	ML/HI	HT/HI	STL	STT	STREL	TILE	GAP	ML/HTOP
40	45.880	0.000	0.000	9.94E+03	1.499E+01	1.356E+01	2.0782	1.8790	1.2380	1.1121	3.68E-04	3.33E-04	8.43E-01	4DWN	TILTOP	
41	48.420	3.000	2.000	7.77E+03	2.367E+01	2.139E+01	3.3590	3.0358	1.9418	1.7550	5.81E-04	5.25E-04	1.37E+00	4DWN	TILTOP	
42	51.590	0.000	0.000	0.39E+03	2.562E+01	2.315E+01	3.7443	3.3829	2.1017	1.8989	6.29E-04	5.68E-04	1.53E+00	4DWN	TILTOP	
43	54.770	0.000	0.000	9.49E+03	2.980E+01	2.626E+01	4.3655	3.9440	2.3790	2.1493	7.12E-04	6.43E-04	1.78E+00	4DWN	TILTOP	
44	57.940	0.000	0.000	1.12E+04	3.428E+01	3.089E+01	5.2861	4.7746	2.8856	2.5361	8.60E-04	7.59E-04	2.16E+00	4DWN	TILTOP	

REFERANCE HEATING CURVE FOR RUN 54

M-REF W/M2-K	2.44E+01	2.50E+01	3.41E+01	4.13E+01	5.39E+01	9.43E+01	5.00E+01	6.78E+01	5.94E+01	5.67E+01	5.88E+01					
AT X(CM)	2.29E+01	2.56E+01	2.79E+01	3.11E+01	3.43E+01	4.35E+01	4.60E+01	4.86E+01	5.17E+01	5.49E+01	5.81E+01					

TSTAG(K) = 7.9131E+02
PSTAG(N/M2)= 9.9471E+05
Q CODE = 1
DEG OF FIT = 1
RE/METER = 1.9882E+07
MACH = 7.960
XNSTREF = .418
TAW/TT =SQRT(PR) FOR HL,MR
TAW/TT =(PR)(.333) FOR HT
STAGGERED TILE CONF.
FREE STREAM POSITION
H1 IS FOR TC-33 = 2.6450E+01

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	HL (W/M2-K)	HT (W/M2-K)	HL/HR	HT/HR	HL/H1	HT/H1	STL	STT	STREL	TILE	GAP	HL/HTOP
1	40.790	0.000	.238	6.56E+04	1.913E+02	1.725E+02	17.331	15.620	7.8249	7.0549	2.53E-03	2.28E-03	7.25E+00	4DWN	3175ST	3.5715
2	40.790	3.000	.476	6.08E+04	1.392E+02	1.258E+02	12.862	11.628	5.6924	5.1463	1.84E-03	1.67E-03	5.28E+00	4DWN	3175ST	2.5691
3	40.790	3.000	.714	2.44E+04	6.772E+01	6.139E+01	6.4020	5.8058	2.7688	2.5110	8.96E-04	8.13E-04	2.57E+00	4DWN	3175ST	1.2496
4	40.790	0.000	.953	1.31E+04	3.584E+01	3.255E+01	3.4244	3.1097	1.4660	1.3313	4.74E-04	4.31E-04	1.36E+00	4DWN	3175ST	.6616
5	40.790	0.000	1.270	7.82E+03	2.136E+01	1.941E+01	2.0498	1.8623	.8735	.7937	2.83E-04	2.57E-04	8.10E-01	4DWN	3175ST	.3942
6	40.790	0.000	1.587	2.74E+03	7.482E+00	6.775E+00	.7180	.6527	.3048	.2771	9.86E-05	8.97E-05	2.82E-01	4DWN	3175ST	.1378
7	40.790	0.000	1.905	8.26E+02	1.730E+00	1.546E+00	.1660	.1492	.0695	.0632	2.25E-05	2.05E-05	6.44E-02	4DWN	3175ST	.0314
8	40.790	0.000	2.225	5.26E+02	1.509E+00	1.372E+00	.1457	.1325	.0617	.0561	2.00E-05	1.82E-05	5.72E-02	4DWN	3175ST	.0279
9	40.790	1.270	.238	8.83E+03	2.415E+01	2.170E+01	2.3131	2.1018	.9135	.8955	3.19E-04	2.90E-04	9.13E-01	4DWN	3175TD	.4448
10	40.790	1.270	.476	6.13E+03	1.671E+01	1.519E+01	1.6070	1.4606	.6833	.6211	2.21E-04	2.01E-04	6.33E-01	4DWN	3175TD	.3084
11	40.790	1.270	.714	4.59E+03	1.249E+01	1.135E+01	1.2017	1.0924	.5105	.4641	1.65E-04	1.50E-04	4.73E-01	4DWN	3175TD	.2304
12	40.790	1.270	.953	4.25E+03	1.156E+01	1.051E+01	1.1133	1.0120	.4730	.4299	1.53E-04	1.39E-04	4.38E-01	4DWN	3175TD	.2135
13	40.790	1.270	1.270	3.18E+03	8.644E+00	7.859E+00	.8331	.7574	.3535	.3214	1.14E-04	1.04E-04	3.28E-01	4DWN	3175TD	.1596
14	40.790	1.270	1.587	2.29E+03	6.232E+00	5.668E+00	.6008	.5462	.2549	.2318	8.25E-05	7.50E-05	2.36E-01	4DWN	3175TD	.1150
15	40.790	1.270	1.905	1.63E+03	4.414E+00	4.014E+00	.4258	.3872	.1685	.1642	5.84E-05	5.31E-05	1.67E-01	4DWN	3175TD	.0815
16	40.790	1.270	2.225	1.35E+03	2.647E+00	2.589E+00	.2747	.2498	.1164	.1059	3.77E-05	3.43E-05	1.08E-01	4DWN	3175TD	.0525
17	40.790	2.440	.238	5.53E+03	1.522E+01	1.384E+01	1.4646	1.3312	.6227	.5660	2.02E-04	1.83E-04	5.77E-01	4DWN	3175TD	.2810
18	40.790	2.440	.476	3.73E+03	1.031E+01	9.377E+00	.9936	.9033	.4218	.3835	1.37E-04	1.24E-04	3.91E-01	4DWN	3175TD	.1904
19	40.790	2.440	.714	2.73E+03	7.526E+00	6.661E+00	.7064	.6423	.2996	.2724	9.70E-05	8.82E-05	2.78E-01	4DWN	3175TD	.1352
20	40.790	2.440	.953	2.19E+03	5.941E+00	5.402E+00	.5730	.5210	.2430	.2209	7.86E-05	7.15E-05	2.25E-01	4DWN	3175TD	.1097
21	40.790	2.440	1.270	1.95E+03	5.303E+00	4.822E+00	.5116	.4652	.2169	.1972	7.02E-05	6.38E-05	2.01E-01	4DWN	3175TD	.0979
22	40.790	2.440	1.587	1.61E+03	4.111E+00	3.738E+00	.3965	.3605	.1581	.1529	5.44E-05	4.95E-05	1.56E-01	4DWN	3175TD	.0759
23	40.790	2.440	1.905	9.98E+02	2.703E+00	2.463E+00	.2614	.2377	.1108	.1007	3.58E-05	3.26E-05	1.03E-01	4DWN	3175TD	.0500
24	40.790	2.440	2.225													
25	40.790	3.810	.238	8.75E+03	2.397E+01	2.177E+01	2.2945	2.0862	.9083	.8905	3.17E-04	2.88E-04	9.09E-01	4DWN	3175TD	.4424
26	40.790	3.810	.476	3.72E+03	1.012E+01	9.200E+00	.9744	.8856	.4139	.3763	1.34E-04	1.22E-04	3.84E-01	4DWN	3175TD	.1868
27	40.790	3.810	.714	1.85E+03	6.034E+00	6.577E+00	.6854	.6413	.2659	.2672	6.66E-05	6.06E-05	1.91E-01	4DWN	3175TD	.0929
28	40.790	3.810	.953	1.34E+03	3.519E+00	3.309E+00	.3510	.3192	.1488	.1353	4.82E-05	4.38E-05	1.38E-01	4DWN	3175TD	.0672
29	40.790	3.810	1.270	1.18E+03	3.191E+00	2.921E+00	.3078	.2799	.1305	.1187	4.22E-05	3.84E-05	1.21E-01	4DWN	3175TD	.0589
30	40.790	3.810	1.587	8.57E+02	2.325E+00	2.114E+00	.2243	.2040	.0951	.0865	3.08E-05	2.80E-05	8.81E-02	4DWN	3175TD	.0429
31	40.790	3.810	1.905	6.05E+02	1.644E+00	1.494E+00	.1585	.1442	.0672	.0611	2.18E-05	1.98E-05	6.23E-02	4DWN	3175TD	.0303
32	40.790	3.810	2.225	1.01E+02	2.744E-01	2.495E-01	.0265	.0241	.0112	.0102	3.63E-06	3.30E-06	1.04E-02	4DWN	3175TD	.0051
33	22.860	5.334	0.000	9.87E+03	2.446E+01	2.219E+01	1.7418	1.5810	.9999	.9076	3.24E-04	2.94E-04	6.94E-01	1UPS	TILTOP	
34	25.400	5.334	0.000	9.83E+03	2.513E+01	2.269E+01	1.8730	1.7056	1.0225	.9282	3.31E-04	3.00E-04	7.48E-01	1UPS	TILTOP	
35	27.940	5.334	0.000	1.23E+04	3.406E+01	3.080E+01	2.6764	2.4285	1.3930	1.2639	4.51E-04	4.09E-04	1.07E+00	1UPS	TILTOP	
36	31.110	5.334	0.000	1.49E+04	4.128E+01	3.744E+01	3.4137	3.0964	1.6504	1.5314	5.46E-04	4.96E-04	1.37E+00	1UPS	TILTOP	
37	34.290	5.334	0.000	1.93E+04	5.331E+01	4.836E+01	4.4076	3.9980	2.1310	1.9782	7.14E-04	6.47E-04	1.87E+00	1UPS	TILTOP	
38	43.340	0.000	0.000	1.95E+04	5.429E+01	4.923E+01	5.2915	4.7987	2.2283	2.0135	7.19E-04	6.52E-04	2.12E+00	4DWN	TILTOP	

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

TACH 8 V.D. TEST(624), C.B.JOHNSON RSI TILE GAPS, RUN(56) 1972

PAGE 66

T/C	X (CM)	Y (CM)	Z (CM)	Q (W/M2)	ML (W/M2-K)	MT (W/M2-K)	ML/MR	MT/HR	ML/M1	MT/M1	STL	STT	STREL	TILE	GAP	ML/MTOP
40	45.880	3.333	0.000	1.03E+04	5.07E+01	4.607E+01	5.0995	4.6253	2.0774	1.8842	6.72E-04	6.10E-04	2.04E+00	4	DWN	TILTOP
41	46.420	0.000	0.000	2.43E+04	6.70[E+01	6.145E+01	6.9449	6.2931	2.7734	2.5131	8.98E-04	8.13E-04	2.68E+00	4	DWN	TILTOP
42	51.590	0.000	0.000	2.13E+04	5.94[E+01	5.38[E+01	6.2861	5.6966	2.4306	2.2027	7.87E-04	7.13E-04	2.53E+00	4	DWN	TILTOP
43	54.770	3.000	0.000	2.03E+04	5.666E+01	5.137E+01	6.1895	5.6107	2.3176	2.1008	7.50E-04	6.80E-04	2.49E+00	4	DWN	TILTOP
44	57.940	0.000	0.000	2.11E+04	5.875E+01	5.325E+01	6.5939	5.9765	2.4029	2.1779	7.78E-04	7.05E-04	2.65E+00	4	DWN	TILTOP

5.0 NASA/AMES
3.5 FOOT H.W.T. TESTS

5.0 NASA/AMES, 3.5 FOOT H.W.T. TESTS

Data from the Rockwell International Gap Heating Test 158 (OH-2) conducted in NASA-Ames 3.5 Foot Hypersonic Wind Tunnel have been assimilated. The test was supervised by C. B. Blumer of Rockwell International and W. K. Lockman of Ames. The data are also presented in Reference 3.

The NASA-Ames 3.5 Foot Hypersonic Wind Tunnel is a closed-circuit, blowdown-type tunnel capable of operating at nominal Mach numbers of 5, 7, and 10 at pressures to 1800 psia and temperatures to 3400°R for run times to four minutes. The major components of the facility include a gas storage system where the test gas is stored at 3000 psi, a storage heater filled with aluminum-oxide pebbles capable of heating the test gas to 3400°R, axisymmetric contoured nozzles with exit diameters of 42 inches for generating the desired Mach number, and a 900,000 ft^3 vacuum storage system which operates to pressures of 0.3 psia. The test section itself is an open-jet type enclosed within a chamber approximately 12 feet in diameter and 40 feet in length, arranged transverse to the flow direction.

A model support system is provided that can pitch models through an angle-of-attack range of -20 to +20 degrees, in a vertical plane about a fixed point of rotation on the tunnel centerline. This rotation point is adjustable from 1 to 5 feet from the nozzle exit plane. The model normally is out of the test stream (strut centerline 37 inches from tunnel centerline) until the tunnel test conditions are established after which it is inserted. Insertion time is adjustable to as little as 1/2 second and models may be inserted at any strut angle.

A high-speed, analog-to-digital data acquisition system is used to record test data on magnetic tape. The present system is equipped to measure and record the outputs from 80 transducers in addition to 20 channels of tunnel parameters.

The run schedule for the OH-2 test is presented in Figure 5.0-1. Data were received for 71 data runs out of the 81 tests that were made. The run schedule presents information for these 71 runs. The tests were run at Mach 5.1 at four unit Reynolds numbers. The Reynolds numbers were 1.4, 2.2, 3.3, and 4.5 x 10^6 per meter. A total of five gap widths and three gap depths was investigated. Two forward facing steps and one aft facing step as well as the flush tile configuration were examined. All testing was done using a flat plate model at zero angle of attack.

RUN SCHEDULE FOR OH-2 TESTS - 3.5 FOOT HWT
MACH NUMBER = 5.1 $T_R = 2000^0R$ $\alpha = 0^0$
REYNOLDS NUMBER/METER SCHEDULE: A = 1.4×10^6
B = 2.2×10^6, C = 3.3×10^6, D = 4.5×10^6

RUN NO.	Re/m SCHEDULE	INSERT NO.	T/C SET NO.	GAP WIDTH (IN.)	GAP DEPTH (IN.)	STEP HEIGHT (IN.)
6	A	II	1	0.200	.4/.8/1.6	0
7	B					
8	C					
9	D					
10	A			0.100		
11	B					
12	C					
13	D					
14	A			0.050		
16	B					
17	C					
18	D					
19	B					+1/16
20				0.100		
21				0.200		
22				0.200		+1/8
23				0.050		
24				0.100		
25						-1/16
26	A	IV	2			0
27	B					
28	D					
29	A		1			
30	B					
31	C					
32	B					+1/16
33	A					+1/16
34	A	III	5			0
35	B					
36	C					
37	D					

Figure 5.0-1

RUN SCHEDULE FOR OH-2 TESTS - 3.5 FOOT HWT
MACH NUMBER = 5.1 T_R = 2000°R α = 0°
REYNOLDS NUMBER/METER SCHEDULE: A = 1.4×10^6
B = 2.2×10^6, C = 3.3×10^6, D = 4.5×10^6

RUN NO.	Re/m SCHEDULE	INSERT NO.	T/C SET NO.	GAP WIDTH (IN.)	GAP DEPTH (IN.)	STEP HEIGHT (IN.)
38	A	I	1	0	0	0
39	B					
40	C					
41	D					
46	A	V		0.100	0.800	
47	B					
48	C					
49	D					
50	A		2			
51	B					
52	C					
53	D					
54	A	II		0.200	.4/.8/1.6	
55	B					
56	A			0.100		
57	B					
58	D					
59	A			0.050		
60	B					
61	D					
62	A			0.025		
63	B					
64	D					
65	A			0.050		+1/16
66	B					
67	D					
68	A					+1/8
69	B					
70	D					
71	A					-1/6
72	B					

Figure 5.0-1 Continued

RUN SCHEDULE FOR OH-2 TESTS - 3.5 FOOT HWT
MACH NUMBER = 5.1 T_R = 2000°R α = 0°
REYNOLDS NUMBER/METER SCHEDULE: A = 1.4 x 10^6
B = 2.2 x 10^6, C = 3.3 x 10^6, D = 4.5 x 10^6

RUN NO.	Re/m SCHEDULE	INSERT NO.	T/C SET NO.	GAP WIDTH (IN.)	GAP DEPTH (IN.)	STEP HEIGHT (IN.)
73	D	II	2	0.050	.4/.8/1.6	-1/6
74	A	III	5a	0.100	↓	0
75	B	↓	↓	↓	↓	↓
76	D					
77	A		3			
78	B		↓			
79	D					
80	B		2			
81	D	↓	↓	↓	↓	↓

Figure 5.0-1 Conclud

5.1 MODEL DESCRIPTION
5.2 CALIBRATION DATA

5.1 Model(s) Description and Instrumentation Location - The test configuration consisted of 27 inch by 60 inch carrier plate wedge into which 24 inch by 42 inch instrumented test article inserts were placed. Figure 5.1-1 shows the carrier plate with an insert(s) installed in the test section of the 3.5 foot HWT. Total temperature and pressure probes were mounted on the downstream end of the wedge at three spanwise locations. These probes were used to define the freestream conditions for the tests. A sketch of the carrier plate is also shown in Figure 5.1-2. The model coordinate system definition is presented in Figure 5.1-3. The five inserts tested are shown in Figure 5.1-4 and are as follows.

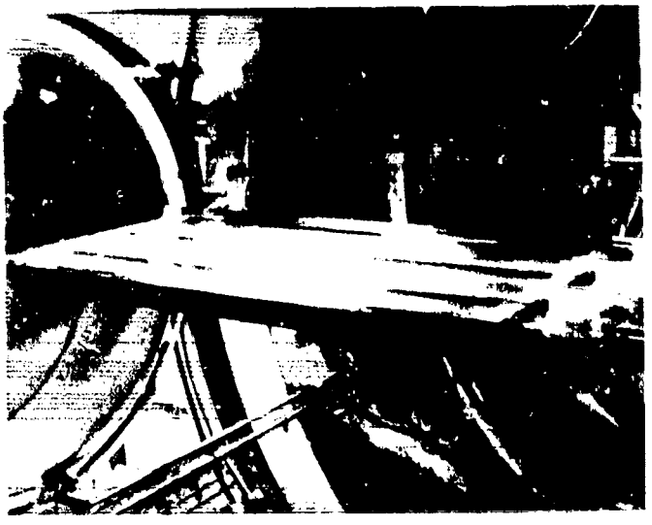
Insert I - Smooth heat transfer calibration plate (Figure 5.1-5)
Insert II - Single transverse gap (Figure 5.1-6)
Insert III - Multiple transverse gap (Figure 5.1-7)
Insert IV - Longitudinal Intersecting gaps (Figure 5.1-8)
Insert V - Diagonal Intersecting gaps (Figure 5.1-9)

The instrumentation locations for the five inserts are shown in Figure 5.1-5 thru 5.1-9 The coordinates of each thermocouple are described along with the basic heat transfer data in Section 5.4.

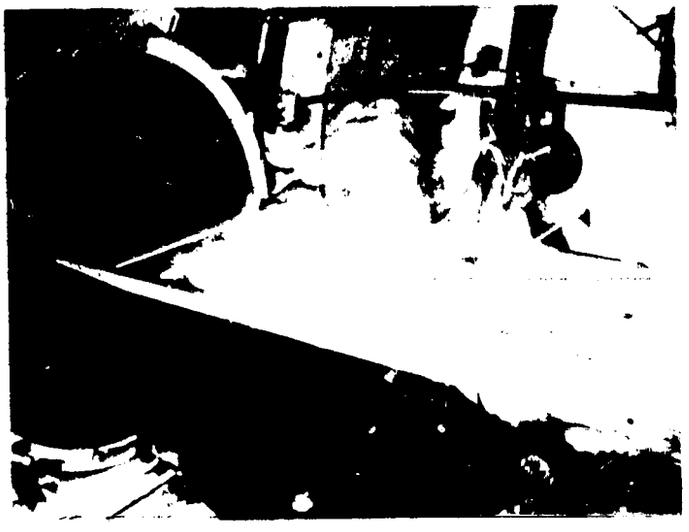
5.2 Calibration Data - Four calibration runs (Run 38 thru 41) were made to characterize the flow over the test configuration utilizing the smooth heat transfer calibration plate (Insert I). Three rows (y = -20.54, 0.0, and 20.54cm) of Chromel-Constantan thermocouples along with three corresponding total temperature probes were used to measure the heating environment along and across the test article. Figure 5.2-1 presents the heat transfer coefficient along the calibration plate (y = -20.54) for the four test unit Reynold numbers. The heat transfer coefficient (H_L) is based on a recovery factor of 0.874. Companion data was also received for a recovery factor of 0.907. The low Reynolds number heating data decreases approximately with the square root of distance along the panel which is characteristic of a laminar boundary layer. The higher Reynolds number data shows a decrease and then a sharp rise in heating along the panel characteristic of transitional flow. The heat transfer data measured on inserts with simulated RSI gaps are referenced to the flat plate calibration data. A two-dimensional interpolation in the x and y directions was performed on the calibration data for each test condition to determine the reference heat transfer coefficient at the locations where gap heating data were measured. Figure 5.2-2 is a typical plot of Stanton number along the calibration plate. The laminar and transitional heating patterns are obvious from this figure.

AMLS 3.5 FT HWT
TEST CONFIGURATIONS





CALIBRATION MODEL



MULTIPLE GAP MODEL

Figure 4.1.1

CARRIER PLATE FOR AMES GAP HEATING TESTS

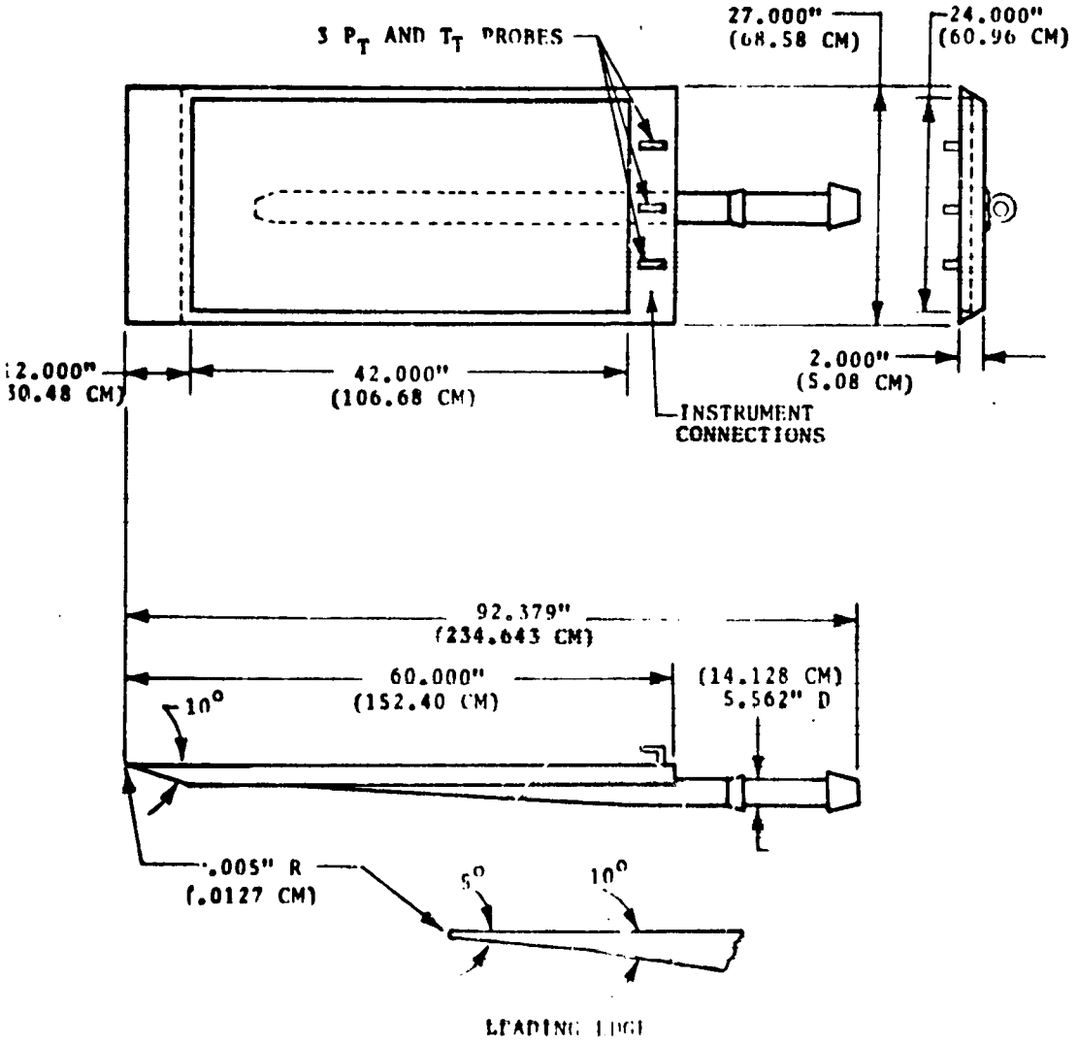
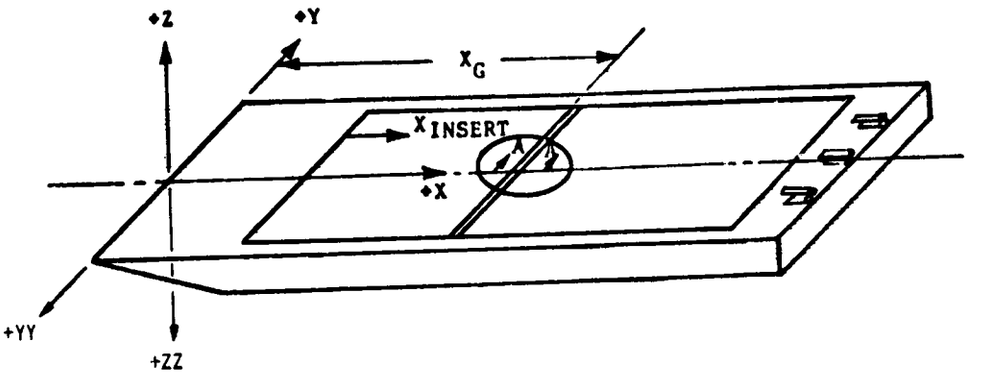
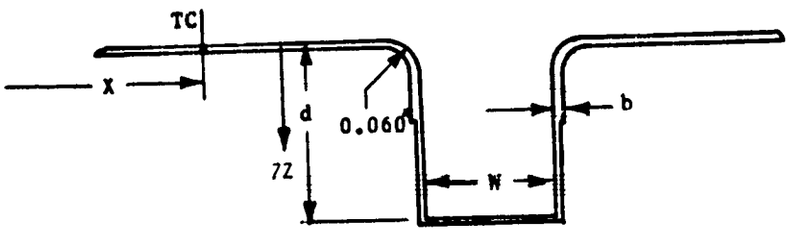


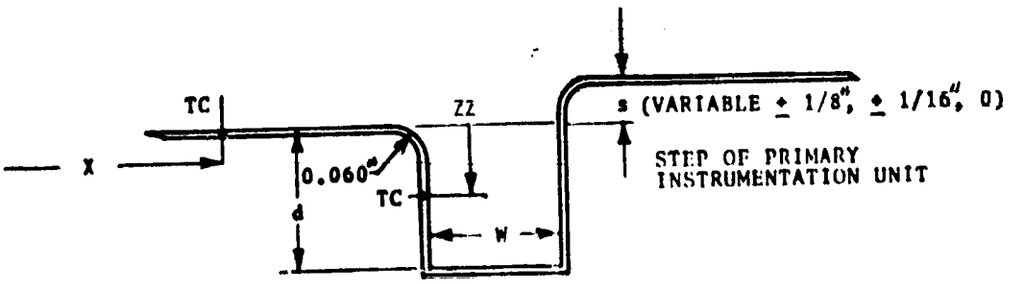
Figure 5.1-2

AMES GAP HEATING MODEL COORDINATE DEFINITION





DETAIL A-A



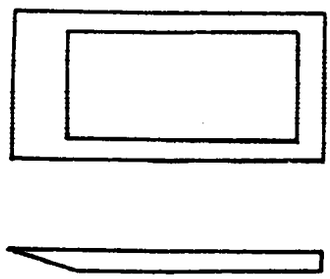
ALTERNATE WITH SURFACE STEP

Figure 5.1-3

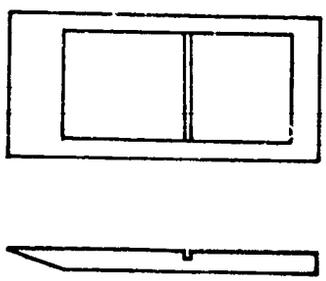
AMES 3.5 FOOT HWT GAP MODELS

- TEST VARIABLES
  $10^6 Re/_m$ = 1.4, 2.2, 3.3 'D 4.5
  M_∞ = 5.1
  GAP WIDTH = .159 AND .318 cm
  GAP DEPTH = 1, 2, AND 4 cm
  STEPS = 0, ± .159 AND + .318 cm
- 71 TEST RUNS ASSIMILATED

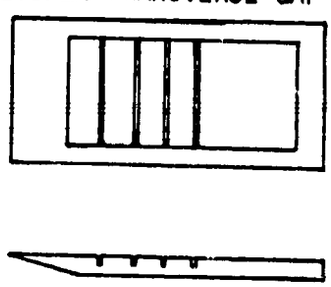
CALIBRATION PLATE



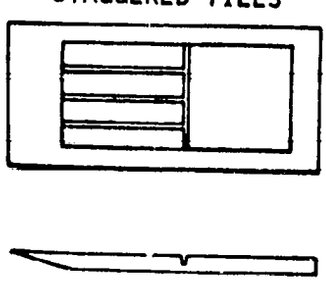
SINGLE TRANSVERSE GAP



MULTIPLE TRANSVERSE GAP



STAGGERED TILES



30° ORIENTED TILES

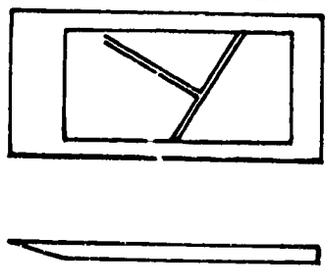
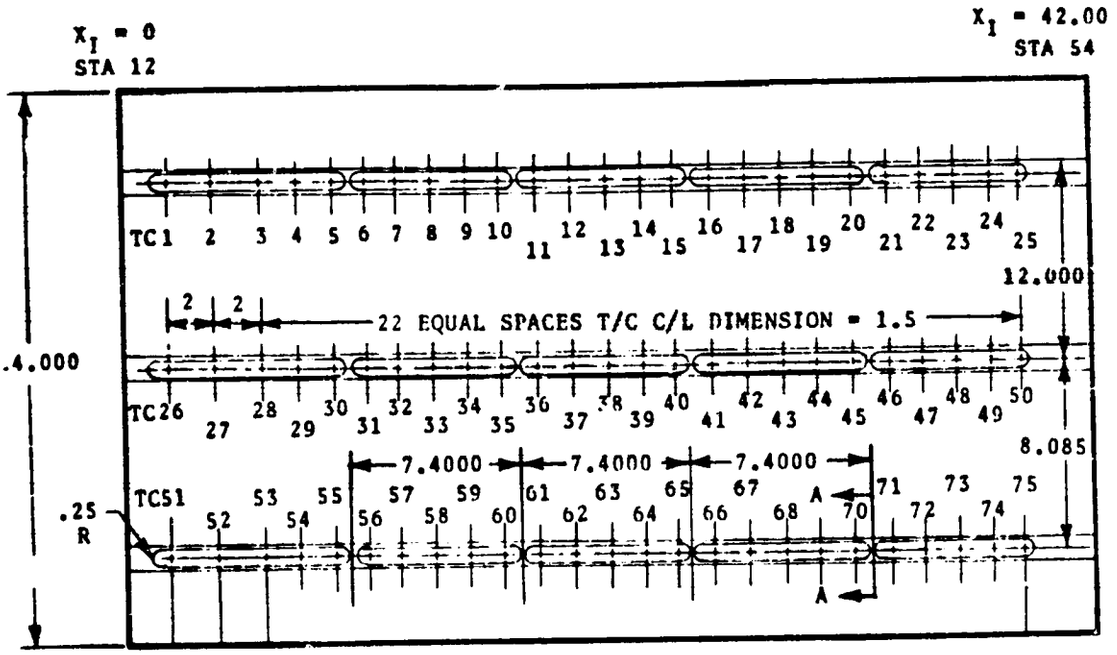
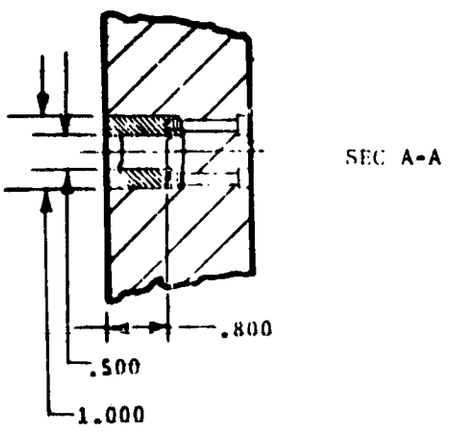


Figure 5.1-4

AMES GAP HEATING TEST INSERT I (SMOOTH HEAT TRANSFER CALIBRATION PLATE)



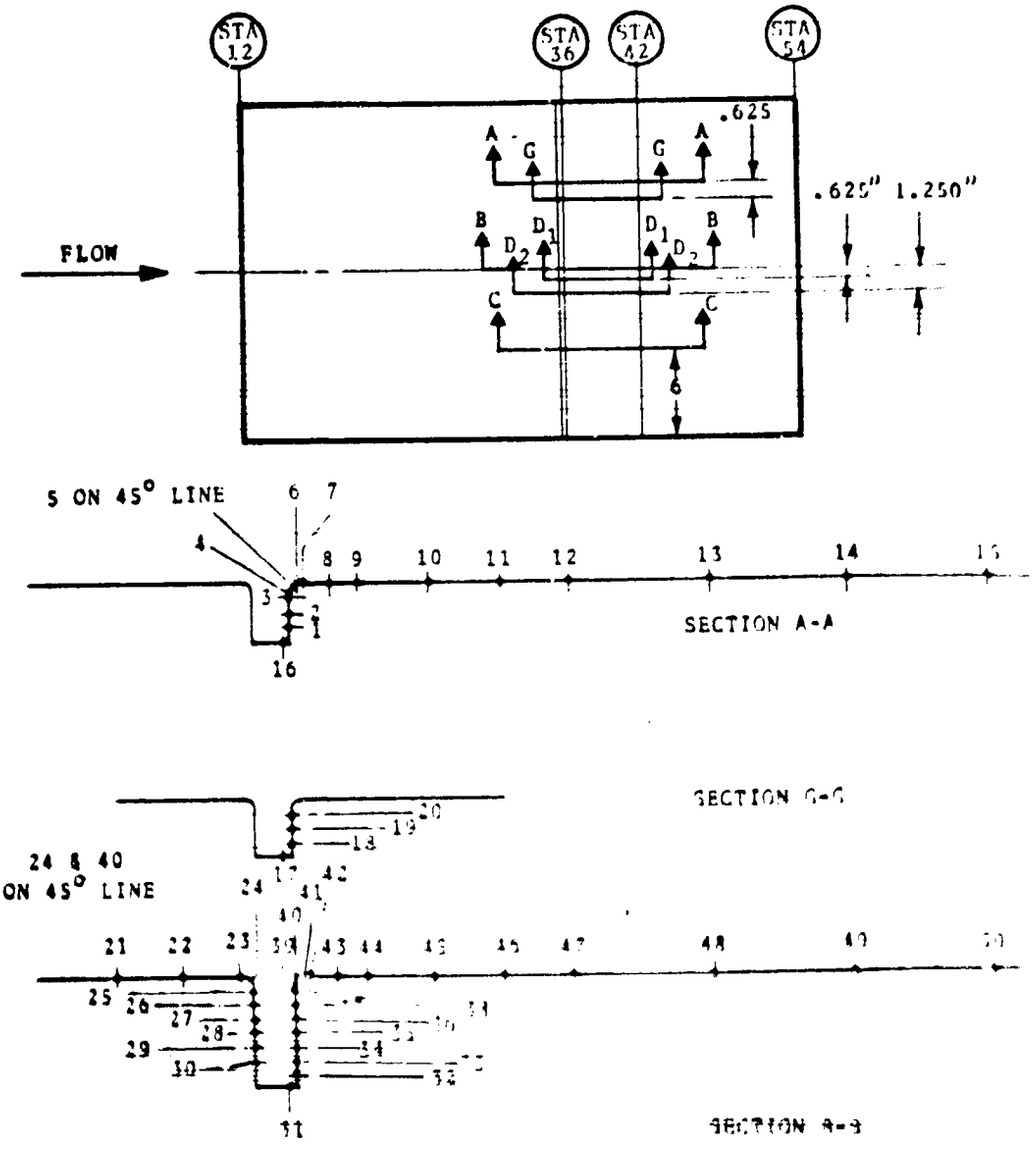
NOTE: DIMENSIONS IN INCHES



SEC A-A

Figure 5.1-5

AMES GAP HEATING TEST INSERT II PRIMARY INSTRUMENTATION UNIT (SINGLE TRANSVERSE GAP)



AMES GAP HEATING TEST INSERT II PRIMARY INSTRUMENTATION UNIT (SINGLE TRANSVERSE GAP)

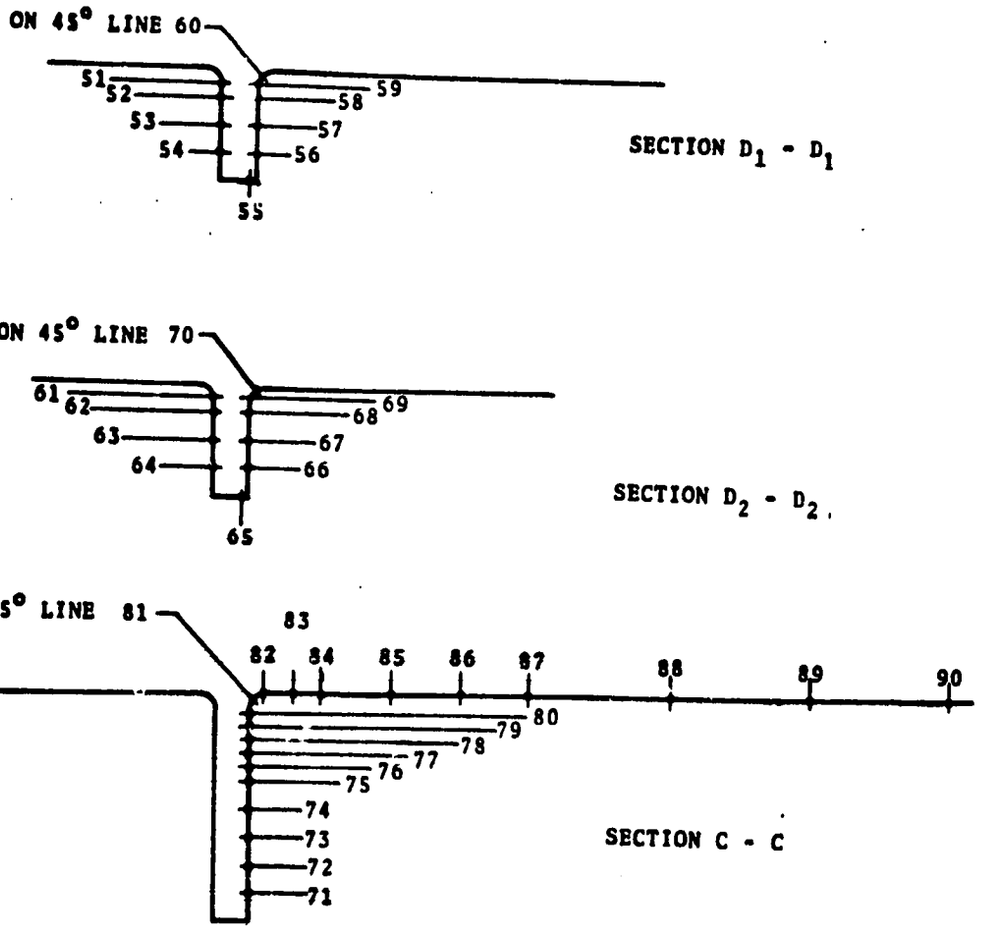


Figure 5.1-6 (Continued)

AMES GAP HEATING TEST INSERT II PRIMARY INSTRUMENTATION UNIT (SINGLE TRANSVERSE GAP)

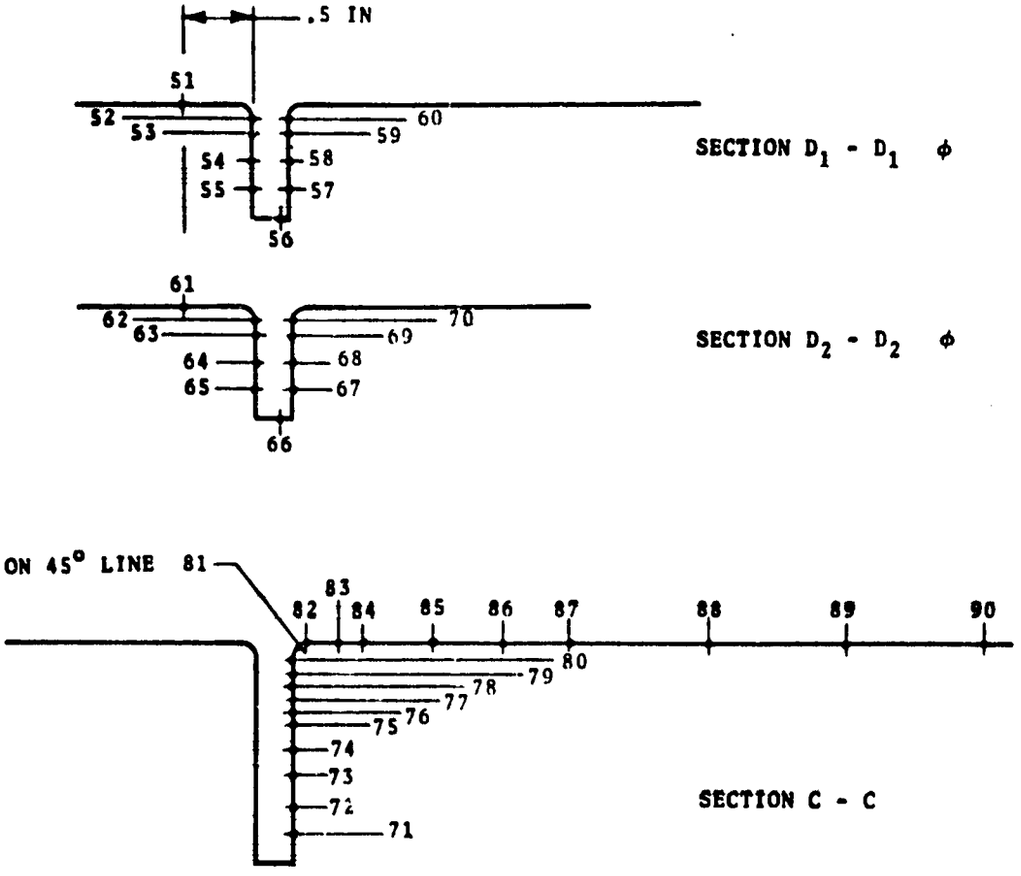
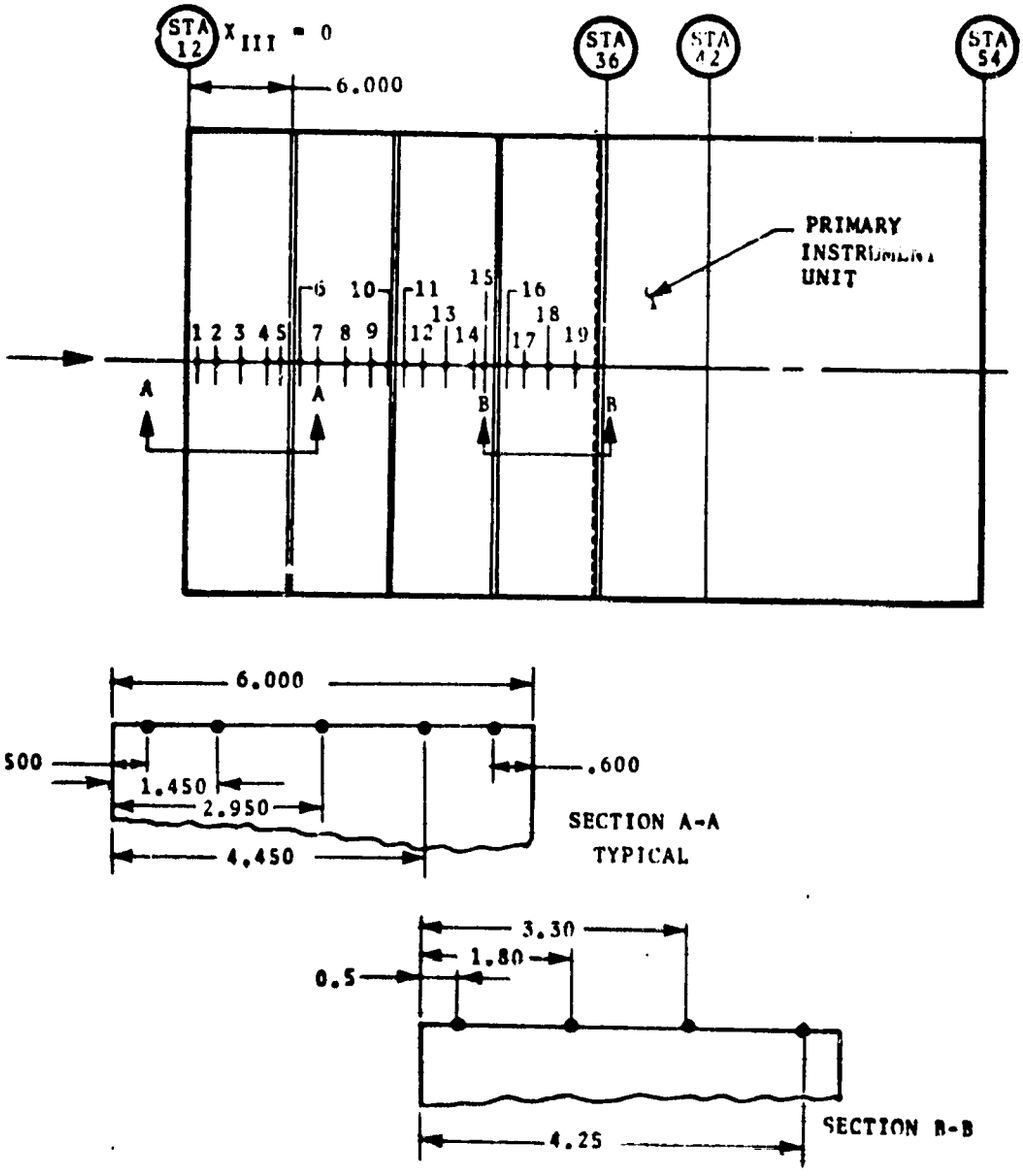


Figure 5.1-6 (Continued)

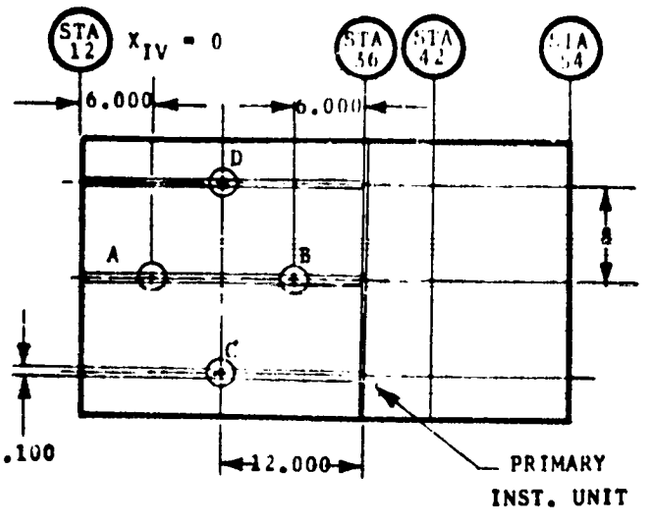
AMES GAP HEATING TEST INSERT III (MULTIPLE TRANSVERSE GAPS)



NOTE: DIMENSIONS IN INCHES

Figure 5.1-7

AMES GAP HEATING TEST INSERT IV (LONGITUDINAL INTERSECTING GAPS)



NOTE: DIMENSIONS IN INCHES

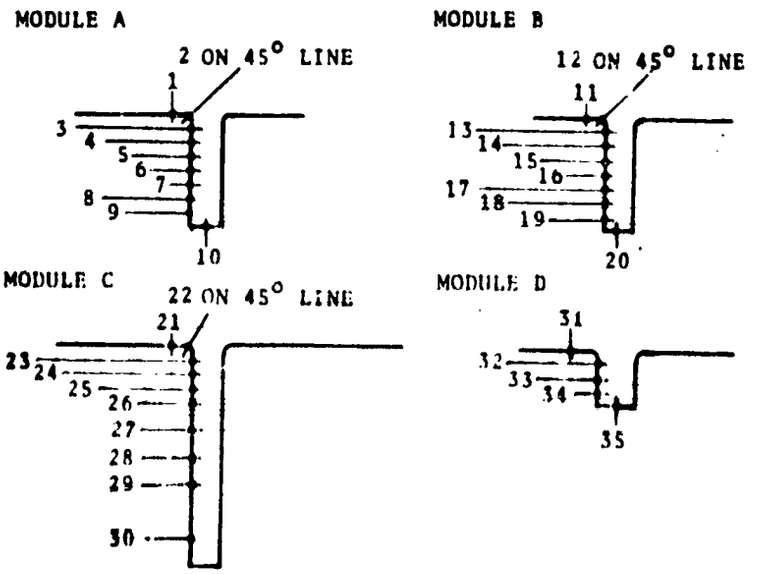
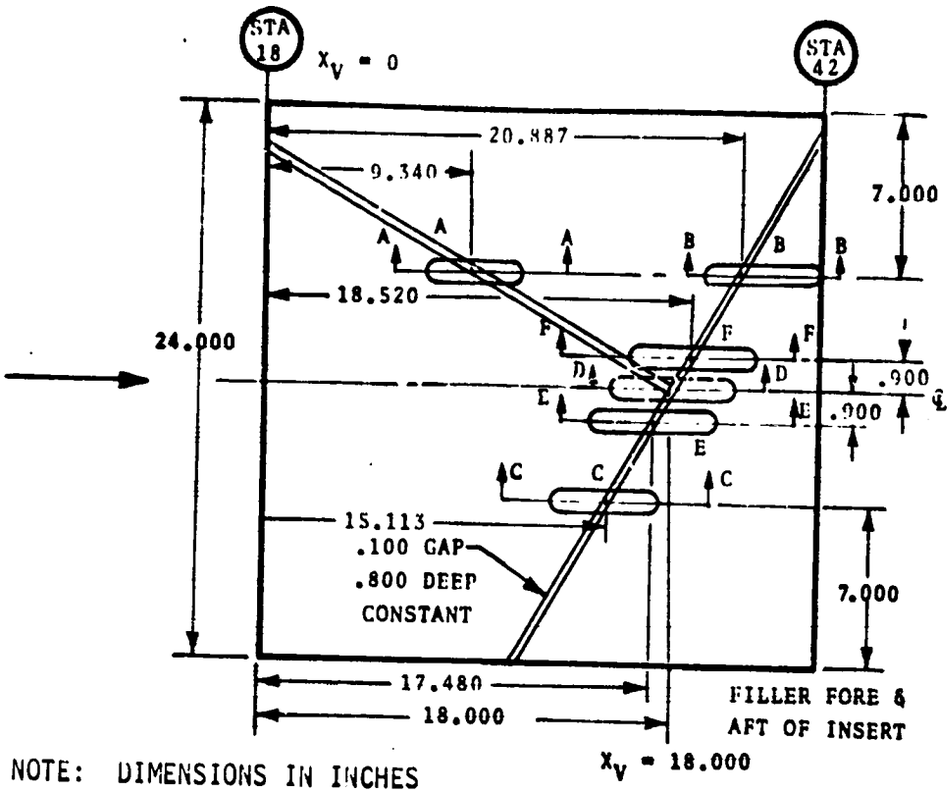
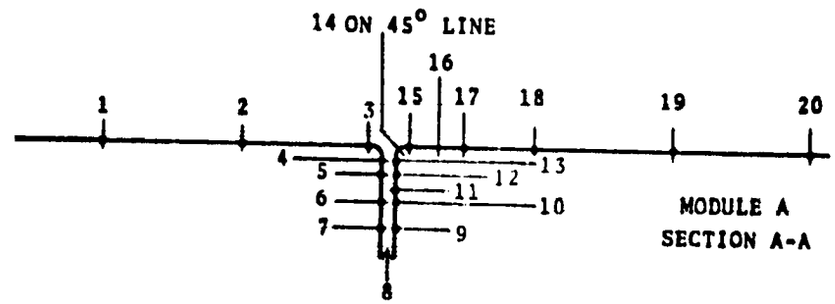


Figure 5.1-5

AMES GAP HEATING TEST INSERT V (DIAGONAL INTERSECTING GAPS)



NOTE: DIMENSIONS IN INCHES



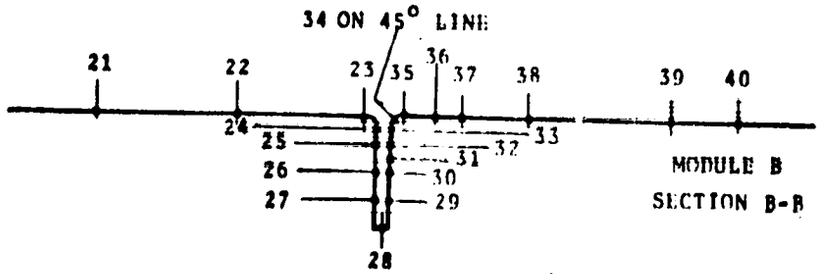


Figure 5.1-9

AMES GAP HEATING TEST INSERT V (DIAGONAL INTERSECTING GAPS)

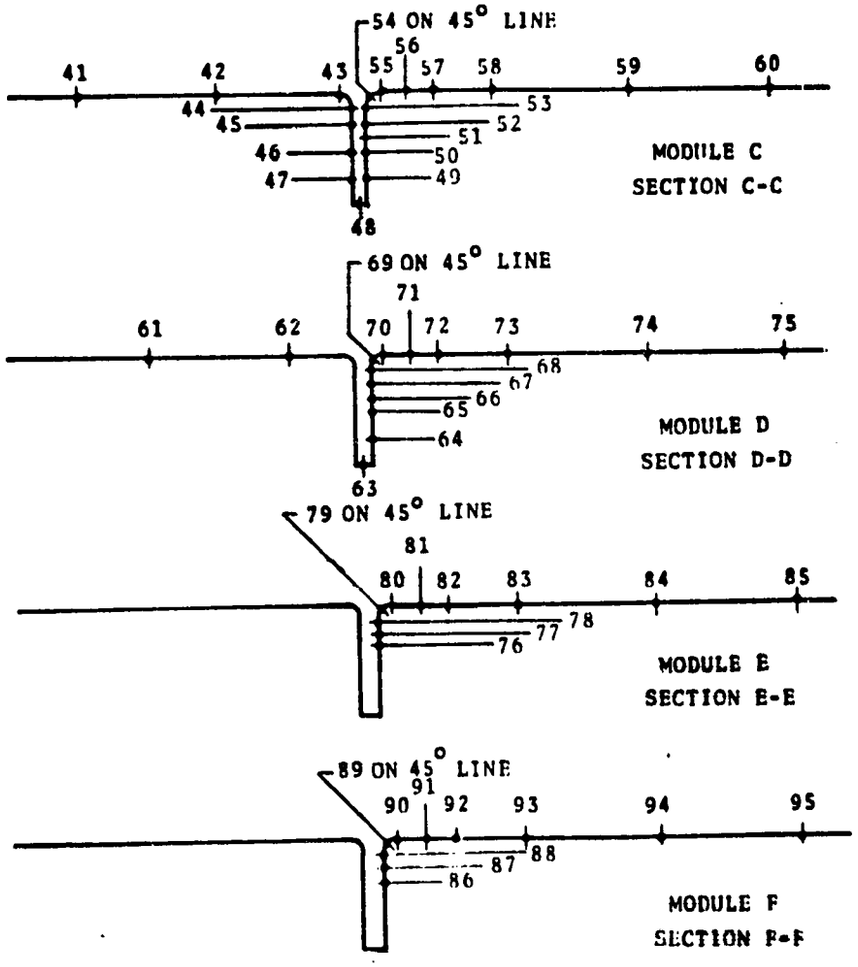
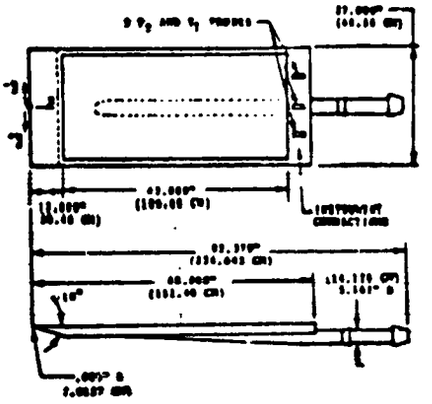


Figure 5.1-9 (Continued)

HEAT TRANSFER COEFFICIENT (LAM) ALONG AMES WEDG

SYM	Re_∞/m	RUN
□	1.450800E+06	38
○	2.322100E+06	39
△	3.347600E+06	40
+	4.511900E+06	41



Y - LATERAL DISTANCE (CM) = -20.536

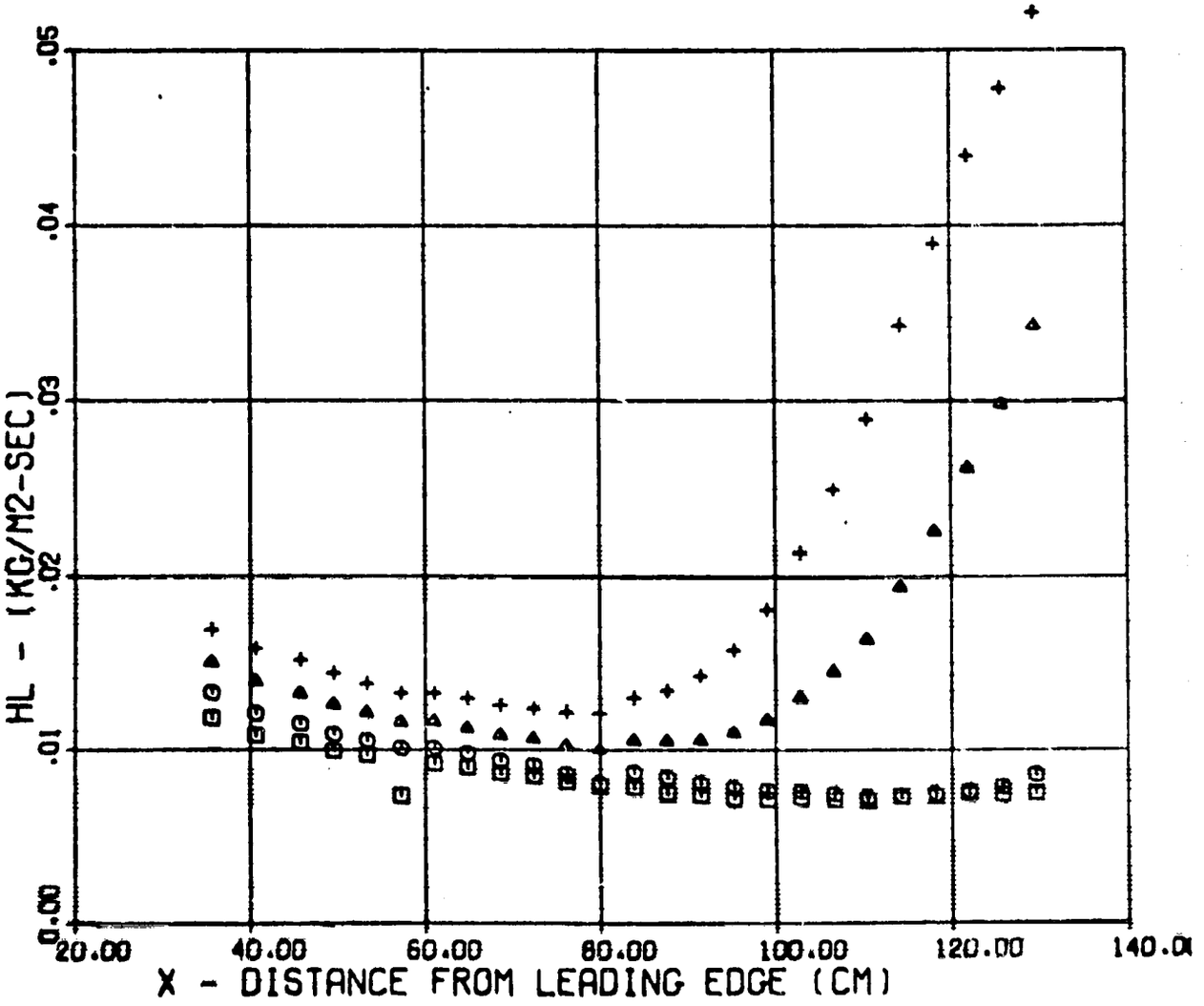
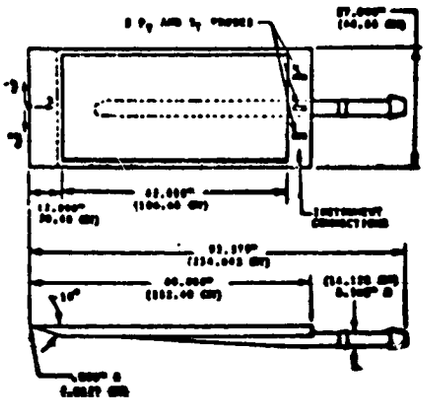


Figure 5.4-

STANTON NUMBER (LAM) ALONG AMES WEDGE

SYM	Re_∞/m	RUN
□	1.4508E+06	38
○	2.1991E+06	39
▲	3.2607E+06	40
+	4.5119E+06	41



Y - LATERAL DISTANCE (CM) = 0.000

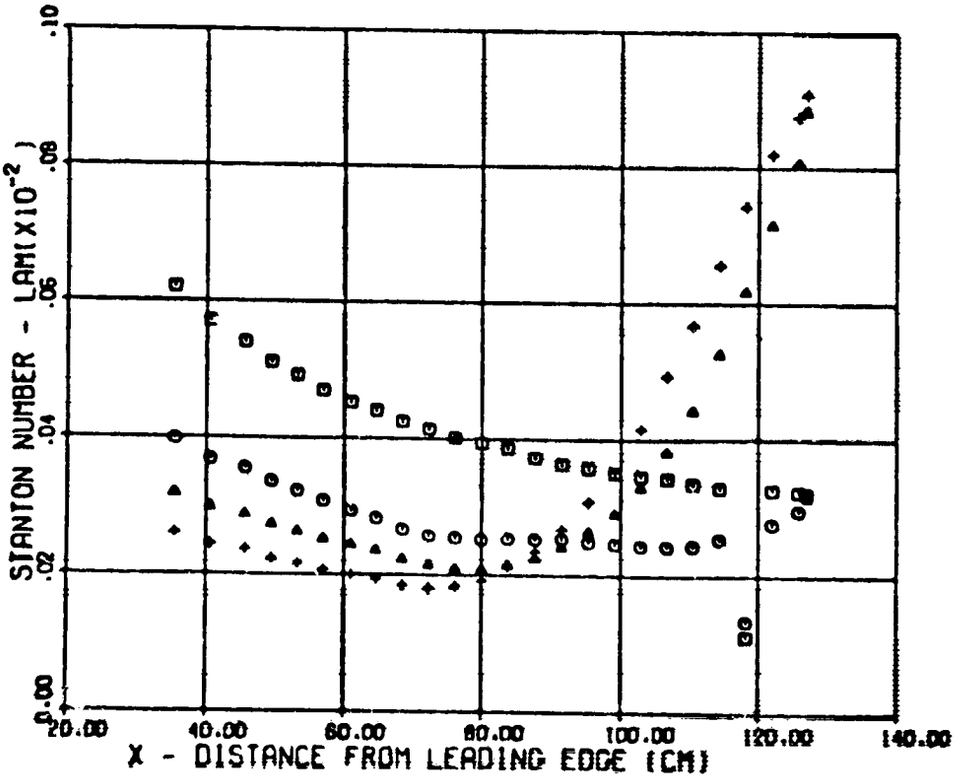


Figure 5.2-2

5.3 TERMINOLOGY IN DATA LISTING

5.3 Explaination of Terminology Used in Data Testing - Results from the AMES 3.5 Ft. H.W.T. tests presented in Section 5.4 are organized by run number and within each run are segregated into one of three lateral zones across the panel. Total pressure and total temperature probes were located at YY = -20.54, 0 and +20.54 cm, hence the data segregation. Unit Reynolds number was computed for each probe and the unit Reynolds number is printed on the right hand side of the tabulation to denote the segregation. Information contained in Section 5.4 is in terms of SIU units.

The terminology used in the data listing is as follows:

TT = Freestream total temperature

PT = Freestream total pressure

HT = Freestream total enthalpy

MACH = Mach number

QS = Heating to a sphere

HAW = Adiabatic wall enthalpy

CONF = Test Panel Configuration, CONF combines "insert number" and T/C set number (contained in the Run Schedule) into a single number

CONF	INSERT NO.	T/C SET NO.
1.00	I	1
2.10	II	1
2.20	II	2
3.20	III	2
3.30	III	3
3.50	III	5
3.51	III	5a
4.10	IV	1
4.20	IV	2
5.10	V	1
5.20	V	2

GAP = Gap width

STEP = Step height

T/C = Thermocouple listing

X = Distance from leading edge of panel

YY = Lateral distance from panel centerline

ZZ = Distance from top of tile (X,YY,ZZ form right coordinate system)

Q = Heating rate

HL = Convective heat transfer coefficient based on HAW/HT = 0.874

HT = Convective heat transfer coefficient based on HAW/HT = 0.907

HREF = Reference convective heat transfer coefficient obtained from calibration plate (insert I) at the same location as instrumentation on the gap model, HREF is obtained by interpolating smoothed calibration plate data.

HL/HREF = Convective heat transfer coefficient ratioed to that on the calibration plate at the same location

STL = Stanton number based on HL

STT = Stanton number based on HT

RE/M = Reynolds number per meter

GAP-TYPE = Gap type and instrumentation location description

- SINTXX Single transverse gap
- LNGEXX Longitudinal intersecting gap, centerline of panel
- LNGEXX Longitudinal intersecting gap near edge of panel
- DIACXX Diagonal intersecting intersecting gap, centerline of panel
  - UP Upstream side of gap
  - DN Downstream side of gap
  - CT Center
- MULTPL Multiple transverse gap on plate (tile top) surface

Information for thermocouples with abnormal data is omitted from data listing.

5.4 TEST DATA LISTING

5.4 3.5 Foot H.W.T. Test Data Listing

AMES 3.5 FT WIND TUNNEL TEST(1154), C. BLUMER RSI TILE GAPS RUN(6) 1973 PAGE 1

TT = 1.8718E+03(K) CONF= 2.10
PT = 4.5193E+05(N/M2) GAP = .508 CM
HT = 1.2466E+08(J/KG) STEP = 8.000(CM)
RE/METER= 1.3227E+06
MACH = 5.10
QS = 9.8555E+05(N/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.974 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	1.323E+06
1	91.95	-20.54	.75	1.02	3.50E+01	4.452E-05	4.231E-05	.006	7.331E-03	2.5225E-06	2.3975E-06	SINTON	
2	91.95	-20.54	.51	1.02	4.46E+02	5.678E-04	5.397E-04	.077	7.331E-03	3.2172E-05	3.0577E-05	SINTON	
3	91.95	-20.54	.28	1.02	2.22E+01	2.831E-03	2.691E-03	.386	7.331E-03	1.6042E-04	1.5246E-04	SINTON	
4	91.95	-20.22	.10	1.02	2.41E+03	3.076E-03	2.922E-03	.421	7.305E-03	1.7419E-04	1.6554E-04	SINTON	
5	92.00	-20.54	.05	1.02	2.77E+03	3.525E-03	3.350E-03	.481	7.329E-03	1.9972E-04	1.8981E-04	SINTON	
6	92.07	-20.22	0.00	1.02	3.26E+03	4.158E-03	3.951E-03	.570	7.301E-03	2.3559E-04	2.2389E-04	SINTON	
7	92.41	-20.54	0.00	1.02	4.10E+03	5.223E-03	4.964E-03	.714	7.315E-03	2.9594E-04	2.8125E-04	SINTON	
8	92.70	-20.54	0.00	1.02	4.02E+03	5.126E-03	4.871E-03	.702	7.305E-03	2.9043E-04	2.7602E-04	SINTON	
9	93.18	-20.54	0.00	1.02	3.64E+03	4.627E-03	4.398E-03	.635	7.289E-03	2.6219E-04	2.4919E-04	SINTON	
10	94.47	-20.54	0.00	1.02	3.42E+03	4.342E-03	4.127E-03	.599	7.245E-03	2.4604E-04	2.3385E-04	SINTON	
11	95.72	-20.54	0.00	1.02	3.14E+03	3.993E-03	3.795E-03	.554	7.212E-03	2.2626E-04	2.1503E-04	SINTON	
12	97.02	-20.54	0.00	1.02	2.57E+03	3.269E-03	3.107E-03	.455	7.186E-03	1.8522E-04	1.7603E-04	SINTON	
13	99.56	-20.54	0.00	1.02	3.81E+03	4.843E-03	4.603E-03	.679	7.135E-03	2.7441E-04	2.6080E-04	SINTON	
14	102.10	-20.54	0.00	1.02	3.85E+03	4.908E-03	4.664E-03	.725	6.767E-03	2.7807E-04	2.6427E-04	SINTON	
15	104.65	-20.54	0.00	1.02	3.74E+03	4.761E-03	4.524E-03	.752	6.331E-03	2.6973E-04	2.5635E-04	SINTON	
16	91.82	-20.54	1.02										
17	91.82	-18.44	1.02										
18	91.95	-18.44	.76										
19	91.95	-19.34	.51										
20	91.95	-19.34	.25										
												RE/M=	1.348E+06
61	91.44	3.11	.26	2.93	7.78E+02	1.006E-03	9.555E-04	.149	6.747E-03	5.6527E-05	5.3711E-05	SINTUP	
62	91.44	3.11	.51										
63	91.44	3.11	.98										
64	91.44	3.11	1.47										
26	91.44	-0.03	.48	2.03	8.13E-02	8.017E-08	7.709E-08	.000	6.690E-03	4.5864E-09	4.3332E-09	SINTUP	
27	91.44	-0.03	.75										
28	91.44	-0.03	.99										
29	91.44	-0.03	1.22										
30	91.44	-0.03	1.52	2.03	2.64E+00	2.601E-06	2.502E-06	.000	6.690E-03	1.4623E-07	1.4861E-07	SINTUP	
31	91.82	-0.03	2.03										
32	91.95	-0.30	1.77										
33	91.95	-0.03	1.51										
34	91.95	-0.03	1.22										
35	91.95	-0.03	.99										
36	91.95	-0.03	.75										
37	91.95	-0.03	.48	2.03	5.16E+02	6.674E-04	6.341E-04	.100	6.655E-03	3.7513E-05	3.5644E-05	SINTON	
38	91.95	-0.03	.27	2.03	2.30E+03	2.970E-03	2.822E-03	.446	6.655E-03	1.6695E-04	1.5863E-04	SINTON	
39	91.95	.17	.13	2.03	2.54E+03	3.337E-03	3.170E-03	.501	6.659E-03	1.8755E-04	1.7820E-04	SINTON	
40	92.00	-0.03	.05	2.03	2.72E+03	3.523E-03	3.347E-03	.530	6.652E-03	1.9803E-04	1.8816E-04	SINTON	
41	92.12	.72	0.00	2.03	5.45E+03	7.065E-03	6.712E-03	1.063	6.647E-03	3.9712E-04	3.7730E-04	SINTON	
42	92.19	-0.03	0.00	2.03	5.64E+03	7.310E-03	6.945E-03	1.101	6.639E-03	4.1090E-04	3.9039E-04	SINTON	
43	92.41	-0.03	0.00	2.03	5.49E+03	6.279E-03	5.964E-03	.954	6.605E-03	3.5442E-04	3.3634E-04	SINTON	
44	92.70	-0.03	0.00	2.03	4.60E+03	5.795E-03	5.436E-03	.881	6.569E-03	3.2519E-04	3.0895E-04	SINTON	
45	93.18	-0.03	0.00	2.03	4.44E+03	5.763E-03	5.475E-03	.889	6.482E-03	3.2391E-04	3.0773E-04	SINTON	
46	94.47	-0.03	0.00	2.03	3.76E+03	4.874E-03	4.631E-03	.756	6.450E-03	2.7408E-04	2.6033E-04	SINTON	
47	95.72	-0.03	0.00	2.03	4.27E+03	5.536E-03	5.260E-03	.857	6.458E-03	3.1117E-04	2.9566E-04	SINTON	
48	97.02	-0.03	0.00	2.03	4.18E+03	5.271E-03	5.014E-03	.815	6.472E-03	2.9606E-04	2.8187E-04	SINTON	
49	99.56	-0.03	0.00	2.03	4.22E+03	5.459E-03	5.187E-03	.859	6.355E-03	3.0687E-04	2.9157E-04	SINTON	

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5	104.64	-0.00	0.00	2.03	4.11E+03	5.324E-03	5.059E-03	.858	6.209E-03	2.9929E-04	2.8437E-04	SINTON
65	91.82	3.11	2.03									
66	91.95	3.11	1.47									
67	91.95	3.11	.98	2.03	7.94E+01	1.026E-04	9.750E-05	.015	6.712E-03	5.7680E-06	5.4808E-06	SINTON
68	91.95	3.11	.51	2.03	7.15E+02	9.257E-04	8.796E-04	.138	6.712E-03	5.2035E-05	4.9440E-05	SINTON
69	91.95	3.11	.26	2.03	2.70E+03	3.494E-03	3.320E-03	.521	6.712E-03	1.9642E-04	1.8662E-04	SINTON
											RE/M=	1.323E+06
71	91.95	20.53	3.45	4.06	1.69E+02	2.150E-04	2.043E-04	.027	7.822E-03	1.2180E-05	1.1576E-05	SINTON
72	91.95	20.53	3.01	4.06	1.63E+01	2.073E-05	1.970E-05	.003	7.822E-03	1.1746E-06	1.1163E-06	SINTON
73	91.95	20.53	2.51	4.06	6.74E+01	8.573E-05	8.147E-05	.011	7.822E-03	4.8573E-06	4.6163E-06	SINTON
74	91.95	20.53	2.01	4.06	1.25E+01	1.591E-05	1.512E-05	.002	7.822E-03	9.0135E-07	8.5663E-07	SINTON
75	91.95	20.53	1.52									
76	91.95	20.53	1.24									
77	91.95	20.53	1.00									
78	91.95	20.53	.74									
79	91.95	20.53	.50									
80	91.95	20.53	.24	4.06	2.28E+03	2.911E-03	2.766E-03	.372	7.822E-03	1.6495E-04	1.5675E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1581). C. BLUMER RSI TILE GAPS RUN# 61 1973 PAGE 2

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
81	96.00	20.53	.25	4.06	3.58E+03	4.572E-03	4.344E-03	.585	7.820E-03	2.5903E-04	2.4614E-04	SINTON
82	92.18	20.53	0.00	4.06	5.03E+03	6.463E-03	6.141E-03	.827	7.812E-03	3.6620E-04	3.4798E-04	SINTON
83	96.72	20.53	0.00	4.06	4.35E+03	5.574E-03	5.296E-03	.715	7.791E-03	3.1586E-04	3.0008E-04	SINTON
84	93.22	20.53	0.00	4.06	3.94E+03	5.032E-03	4.839E-03	.655	7.771E-03	2.8853E-04	2.7416E-04	SINTON
85	94.46	20.53	0.00	4.06	3.66E+03	4.679E-03	4.445E-03	.606	7.721E-03	2.6509E-04	2.5188E-04	SINTON
86	95.76	20.53	0.00	4.06	3.45E+03	4.411E-03	4.191E-03	.575	7.671E-03	2.4995E-04	2.3749E-04	SINTON
87	97.02	20.53	0.00	4.06	3.50E+03	4.475E-03	4.252E-03	.587	7.623E-03	2.5354E-04	2.4089E-04	SINTON
88	98.55	20.53	0.00	4.06	3.66E+03	4.694E-03	4.450E-03	.622	7.528E-03	2.6537E-04	2.5212E-04	SINTON
89	102.03	20.53	0.00	4.06	2.78E+03	3.557E-03	3.379E-03	.482	7.381E-03	2.0153E-04	1.9147E-04	SINTON
90	104.65	20.53	0.00	4.06	2.74E+03	3.504E-03	3.329E-03	.485	7.223E-03	1.9854E-04	1.8863E-04	SINTON

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AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN1 7) 1973 PAGE 3

TT = 1.1632E+031(K) CONF= 2.10
PT = 9.3194E+05(N/M2) GAP = .508 CM
HT = 1.2366E+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.4660E+06
MACH = 5.10
QS = 1.1590E+05(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.876 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.466E+06
1	91.35	-20.64	.75										
2	91.35	-20.64	.51	1.02	5.92E+02	7.649E-04	7.267E-04	.091	8.433E-03	2.3405E-05	2.2236E-05	SINTON	
3	91.35	-20.64	.28	1.02	2.71E+03	3.513E-03	3.337E-03	.417	8.433E-03	1.0750E-04	1.0212E-04	SINTON	
4	91.35	-20.32	.18	1.02	2.54E+03	3.284E-03	3.120E-03	.390	8.427E-03	1.0049E-04	9.5463E-05	SINTON	
5	92.03	-20.64	.05	1.02	2.41E+03	3.123E-03	2.966E-03	.370	8.430E-03	9.5555E-05	9.0771E-05	SINTON	
6	92.07	-20.32	0.00	1.02	2.69E+03	3.440E-03	3.267E-03	.409	8.413E-03	1.0526E-04	9.9982E-05	SINTON	
7	92.41	-20.64	0.00	1.02	4.27E+03	5.537E-03	5.260E-03	.659	8.405E-03	1.6945E-04	1.6098E-04	SINTON	
8	92.79	-20.64	0.00	1.02	4.90E+03	6.360E-03	6.041E-03	.758	8.389E-03	1.9461E-04	1.8486E-04	SINTON	
9	93.19	-20.64	0.00	1.02	4.50E+03	5.829E-03	5.537E-03	.697	8.359E-03	1.7836E-04	1.6943E-04	SINTON	
10	94.47	-20.64	0.00	1.02	3.87E+03	5.011E-03	4.760E-03	.605	8.281E-03	1.5333E-04	1.4567E-04	SINTON	
11	95.72	-20.64	0.00	1.02	3.46E+03	4.467E-03	4.244E-03	.541	8.261E-03	1.3670E-04	1.2985E-04	SINTON	
12	97.02	-20.64	0.00	1.02	2.93E+03	3.759E-03	3.570E-03	.454	8.282E-03	1.1501E-04	1.0925E-04	SINTON	
13	99.36	-20.64	0.00	1.02	4.59E+03	5.946E-03	5.648E-03	.714	8.324E-03	1.8194E-04	1.7283E-04	SINTON	
14	102.10	-20.64	0.00	1.02	4.72E+03	6.114E-03	5.808E-03	.766	7.986E-03	1.8708E-04	1.7772E-04	SINTON	
15	104.63	-20.63	0.00	1.02	4.69E+03	6.062E-03	5.759E-03	.801	7.568E-03	1.8551E-04	1.7624E-04	SINTON	
16	91.82	-20.63	1.02										
17	91.82	-19.94	1.02										
18	91.45	-19.94	.76										
19	91.35	-19.94	.51										
20	91.35	-19.94	.25										
													RE/M= 2.479E+06
61	91.44	5.11	.26	2.03	7.90E+02	1.026E-03	9.747E-04	.120	8.548E-03	3.1323E-05	2.9757E-05	SINTUP	
62	91.44	5.11	.51										
63	91.44	5.11	.38										
64	91.44	5.11	1.47										
26	91.44	+0.00	.48										
27	91.44	+0.00	.75										
28	91.44	+0.00	.99										
29	91.44	+0.00	1.22										
30	91.44	+0.00	1.52										
31	91.82	+0.00	2.03										
32	91.45	+0.00	1.77										
33	91.35	+0.00	1.51										
34	91.35	+0.00	1.22										
35	91.35	+0.00	.99										
36	91.35	+0.00	.75	2.03	1.61E+02	2.095E-04	1.996E-04	.025	8.503E-03	6.3962E-06	6.0762E-06	SINTON	
37	91.35	+0.00	.48	2.03	8.73E+02	1.131E-03	1.074E-03	.133	8.503E-03	3.4517E-05	3.2789E-05	SINTON	
38	91.45	+0.00	.27	2.03	3.17E+03	4.130E-03	3.924E-03	.486	8.503E-03	1.2616E-04	1.1978E-04	SINTON	
39	91.45	.32	.18	2.03	2.49E+03	3.232E-03	3.071E-03	.380	8.510E-03	9.8680E-05	9.3737E-05	SINTON	
40	92.03	+0.00	.05	2.03	2.12E+03	2.767E-03	2.629E-03	.325	8.506E-03	1.4472E-05	8.0235E-05	SINTON	
41	92.12	.32	0.00	2.03	6.38E+03	8.310E-03	7.893E-03	.975	8.523E-03	2.5369E-04	2.4097E-04	SINTON	
42	90.19	+0.00	0.00	2.03	7.13E+03	9.296E-03	8.829E-03	1.091	8.520E-03	2.8380E-04	2.6955E-04	SINTON	
43	92.68	+0.00	0.00	2.03	6.18E+03	8.063E-03	7.658E-03	.942	8.557E-03	2.4616E-04	2.3379E-04	SINTON	
44	93.20	+0.00	0.00	2.03	5.73E+03	7.559E-03	7.179E-03	.879	8.595E-03	2.3077E-04	2.1917E-04	SINTON	
45	94.47	+0.00	0.00	2.03	5.56E+03	7.270E-03	6.905E-03	.837	8.689E-03	2.2194E-04	2.1079E-04	SINTON	
46	95.74	+0.00	0.00	2.03	4.62E+03	6.022E-03	5.720E-03	.685	8.787E-03	1.8383E-04	1.7461E-04	SINTON	
47	97.00	+0.00	0.00	2.03	5.37E+03	7.001E-03	6.650E-03	.788	8.890E-03	2.1373E-04	2.0301E-04	SINTON	
48	99.55	+0.00	0.00	2.03	5.09E+03	6.631E-03	6.299E-03	.729	9.097E-03	2.0244E-04	1.9229E-04	SINTON	
49	102.09	+0.00	0.00	2.03	5.19E+03	6.753E-03	6.414E-03	.726	9.297E-03	2.0615E-04	1.9581E-04	SINTON	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

64	104.64	-0.00	0.00	2.03	5.33E+03	6.93E-03	6.50E-03	.720	9.49E-03	2.1172E-04	2.0111E-04	SINTDM	
65	91.82	3.11	2.03										
66	31.95	3.11	1.47										
67	31.95	3.11	.78										
68	91.95	3.11	.51	2.03	7.13E+02	9.26E-04	8.88E-04	.188	8.58E-03	2.0287E-05	2.6871E-05	SINTDM	
69	91.95	3.11	.26	2.03	3.43E+03	4.46E-03	4.24E-03	.520	8.58E-03	1.3641E-04	1.2957E-04	SINTDM	
												RE/M=	2.01E+06
71	91.95	20.53	3.45										
72	91.95	20.53	3.31										
73	91.95	20.53	2.91										
74	91.95	20.53	2.01										
75	91.95	20.53	1.52										
76	91.95	20.53	1.24										
77	91.95	20.53	1.00										
78	91.95	20.53	.74										
79	91.95	20.53	.50										
80	91.95	20.53	.24	4.06	3.14E+03	3.99E-03	3.79E-03	.435	9.18E-03	1.2346E-04	1.1736-04	SINTDM	
81	92.00	20.53	.05	4.06	4.70E+03	5.99E-03	5.69E-03	.653	9.18E-03	1.8519E-04	1.7594-04	SINTDM	
82	92.18	20.53	0.00	4.06	6.34E+03	3.10E-03	7.69E-03	.881	9.19SE-03	2.5010E-04	2.3759E-04	SINTDM	
83	92.72	20.53	0.00	4.06	6.14E+03	7.84SE-03	7.45SE-03	.851	9.219E-03	2.4232E-04	2.3819E-04	SINTDM	
84	93.22	20.53	0.00	4.06	5.54E+03	7.08SE-03	6.73ZE-03	.767	9.242E-03	2.1881E-04	2.0785E-04	SINTDM	
85	94.46	20.53	0.00	4.66	4.75E+03	6.09ZE-03	5.787E-03	.655	9.298E-03	1.8889E-04	1.7865E-04	SINTDM	
86	95.76	20.53	0.00	4.06	4.75E+03	6.098E-03	5.785E-03	.652	9.342E-03	1.8882E-04	1.7859E-04	SINTDM	
87	97.82	20.53	0.00	4.06	5.16E+03	6.625E-03	6.292E-03	.707	9.374E-03	2.0453E-04	1.9426E-04	SINTDM	

AMES 3.5 FT WIND TUNNEL TEST(1150), G. BLUMER RSI TILE GAPS RUN1 7) 1973 PAGE 6

T/C	X	YY	ZZ	GAPD	Q	ML	MT	ML/MREFF	MREFF	STL	STT	GAP-TYPE	
	(CM)	(CM)	(CM)	(CM)	(N/M2)	(KG/M2-S)	(KG/M2-S)		(KG/M2-S)				
88	99.55	20.53	0.00	4.06	2.87E+03	3.69SE-03	3.51SE-03	.392	9.43SE-03	1.1410E-04	1.0836E-04	SINTDM	
89	102.88	20.51	0.00	4.06	4.12E+03	5.30ZE-03	5.03SE-03	.546	9.711E-03	1.6367E-04	1.554ZE-04	SINTDM	
90	104.53	20.53	0.00	4.06	4.10E+03	5.27SE-03	5.10SE-03	.536	1.003E-02	1.6604E-04	1.576SE-04	SINTDM	

PAGE 5

I/G	X (CM)	Y (CM)	Z (CM)	GAPS (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	SIL	SIT	GAP-TYPE
												RE/M= 3.820E+06
1	91.95	-2.034	.75	1.02	1.29E+03	1.69E-03	1.60E-03	.145	1.17E-02	3.55E-05	3.37E-05	SINTUM
2	91.95	-2.034	.51	1.02	5.49E+03	7.17E-03	6.81E-03	.613	1.17E-02	1.43E-04	1.43E-04	SINTUM
3	91.95	-2.034	.26	1.02	5.49E+03	7.17E-03	6.81E-03	.613	1.17E-02	1.43E-04	1.43E-04	SINTUM
4	91.95	-2.034	.10	1.02	5.49E+03	7.17E-03	6.81E-03	.613	1.17E-02	1.43E-04	1.43E-04	SINTUM
5	92.03	-2.034	.10	1.02	5.49E+03	7.17E-03	6.81E-03	.613	1.17E-02	1.43E-04	1.43E-04	SINTUM
6	92.07	-2.034	.10	1.02	5.49E+03	7.17E-03	6.81E-03	.613	1.17E-02	1.43E-04	1.43E-04	SINTUM
7	92.11	-2.034	.10	1.02	5.49E+03	7.17E-03	6.81E-03	.613	1.17E-02	1.43E-04	1.43E-04	SINTUM
8	92.79	-2.034	.10	1.02	1.02E+04	1.33E-02	1.28E-02	1.151	1.17E-02	2.69E-04	2.69E-04	SINTUM
9	93.19	-2.034	.10	1.02	1.09E+04	1.42E-02	1.34E-02	1.208	1.17E-02	2.98E-04	2.83E-04	SINTUM
10	94.47	-2.034	.10	1.02	1.01E+04	1.33E-02	1.26E-02	1.131	1.17E-02	2.79E-04	2.65E-04	SINTUM
11	95.72	-2.034	.10	1.02	9.55E+03	1.25E-02	1.19E-02	1.058	1.18E-02	2.63E-04	2.50E-04	SINTUM
12	97.32	-2.034	.10	1.02	9.62E+03	1.26E-02	1.20E-02	1.041	1.21E-02	2.66E-04	2.52E-04	SINTUM
13	99.56	-2.034	.10	1.02	9.84E+03	1.27E-02	1.20E-02	1.083	1.26E-02	2.66E-04	2.53E-04	SINTUM
14	102.10	-2.034	.10	1.02	1.33E+04	1.83E-02	1.74E-02	1.346	1.36E-02	3.85E-04	3.66E-04	SINTUM
15	104.55	-2.034	.10	1.02	1.55E+04	2.03E-02	1.93E-02	1.378	1.47E-02	4.27E-04	4.06E-04	SINTUM
16	91.82	-2.034	.10	1.02	1.77E+04	2.32E-02	2.21E-02	1.458	1.59E-02	4.80E-04	4.56E-04	SINTUM
17	91.82	-19.14	1.32									
18	91.82	-19.14	1.02									
19	91.95	-19.14	.75									
20	91.95	-19.14	.51	1.02	8.22E+02	1.08E-03	1.02E-03	.093	1.16E-02	2.26E-05	2.15E-05	SINTUM
												RE/M= 3.820E+06
21	91.44	1.11	.26	2.03	2.04E+03	2.60E-03	2.47E-03	.216	1.20E-02	5.54E-05	5.27E-05	SINTUP
22	91.44	1.11	.51	2.03	3.14E+02	4.80E-04	3.80E-04	.033	1.20E-02	8.53E-06	8.10E-06	SINTUP
23	91.44	1.11	.84	2.03	1.70E+02	2.16E-04	2.05E-04	.018	1.20E-02	4.60E-06	4.38E-06	SINTUP
24	91.44	1.11	1.07									
25	91.44	-.03	.84									
26	91.44	-.03	.75									
27	91.44	-.03	.44									
28	91.44	-.03	1.22									
29	91.44	-.03	2.03									
30	91.44	-.03	1.77									
31	91.82	-.03	2.03									
32	91.95	-.03	1.77									
33	91.95	-.03	1.71	2.03	4.27E+02	5.43E-04	5.16E-04	.046	1.15E-02	1.15E-05	1.10E-05	SINTUM
34	91.95	-.03	.82	2.03	4.28E+02	5.45E-04	5.09E-04	.045	1.19E-02	1.14E-05	1.08E-05	SINTUM
35	91.95	-.03	.51	2.03	2.17E+01	2.76E-05	2.63E-05	.002	1.19E-02	5.89E-07	5.60E-07	SINTUM
36	91.95	-.03	.26	2.03	7.58E+02	9.65E-04	9.16E-04	.081	1.19E-02	2.06E-05	1.95E-05	SINTUM
37	91.95	-.03	.10	2.03	2.68E+03	2.06E-03	2.52E-03	.223	1.19E-02	5.66E-05	5.37E-05	SINTUM
38	91.95	-.03	.10	2.03	7.49E+03	9.04E-03	8.59E-03	.760	1.19E-02	1.92E-04	1.83E-04	SINTUM
39	91.95	-.03	.10	2.03	7.14E+03	9.38E-03	8.91E-03	.788	1.19E-02	1.99E-04	1.89E-04	SINTUM
40	91.95	-.03	.10	2.03	7.76E+03	9.92E-03	9.43E-03	.833	1.19E-02	2.11E-04	2.00E-04	SINTUM
41	92.12	-.03	.10	2.03	1.34E+04	1.71E-02	1.62E-02	1.430	1.19E-02	3.65E-04	3.47E-04	SINTUM
42	92.19	-.03	.10	2.03	1.23E+04	1.96E-02	1.86E-02	1.639	1.19E-02	4.18E-04	3.97E-04	SINTUM
43	92.55	-.03	.10	2.03	1.24E+04	1.59E-02	1.50E-02	1.306	1.21E-02	3.38E-04	3.21E-04	SINTUM
44	93.23	-.03	.10	2.03	1.12E+04	1.47E-02	1.40E-02	1.197	1.23E-02	3.16E-04	2.98E-04	SINTUM
45	94.47	-.03	.10	2.03	1.17E+04	1.50E-02	1.42E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
46	95.72	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
47	97.32	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
48	99.56	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
49	102.10	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
50	104.55	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
51	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
52	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
53	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
54	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
55	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
56	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
57	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
58	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
59	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
60	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
61	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
62	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
63	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM
64	91.44	-.03	.10	2.03	1.17E+04	1.48E-02	1.40E-02	1.177	1.27E-02	3.20E-04	3.04E-04	SINTUM

													RE/M=	3.39E+06
64	104.64	-0.00	6.00	2.03	1.77E+04	2.26E-02	2.14E-02	1.239	1.02E-02	4.8185E-04	4.5776E-04	SINTON		
65	98.82	3.11	2.33											
66	98.95	3.11	1.47											
67	98.95	3.11	.98	2.03	1.69E+02	2.15E-04	2.04E-04	.818	1.22E-02	4.5922E-06	4.3636E-06	SINTON		
68	98.95	3.11	.51	2.03	1.42E+03	1.81E-03	1.72E-03	.148	1.22E-02	3.8614E-05	3.6688E-05	SINTON		
69	98.95	3.11	.26	2.03	6.20E+03	8.03E-03	7.63E-03	.658	1.22E-02	1.7129E-04	1.6272E-04	SINTON		
71	91.95	20.53	3.45											
72	91.95	20.53	3.01											
73	91.95	20.53	2.51											
74	91.95	20.53	2.01											
75	91.95	20.53	1.52											
76	91.95	20.53	1.24											
77	91.95	20.53	1.00											
78	91.95	20.53	.76											
79	91.95	20.53	.50											
80	91.95	20.53	.24	4.06	6.55E+03	8.15E-03	7.74E-03	.574	1.42E-02	1.7658E-04	1.6772E-04	SINTON		

PAGE 6

A=3.5 FT WIND TUNNEL TEST(1:20). C. OLUMER RSI TILE GAPS RUN1 80 1973

T/C	X (IN)	YY (IN)	ZZ (IN)	GAPD (FM)	Q (#/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HWEFF (KG/M2-S)	STL	SIT	GAP-TYPE	
81	92.10	20.53	.25	4.06	9.40E+03	1.17E-02	1.11E-02	.824	1.42E-02	2.5375E-04	2.4111E-04	SINTON	
82	92.10	20.53	0.00	4.06	1.20E+04	1.56E-02	1.49E-02	1.099	1.42E-02	3.3951E-04	3.2258E-04	SINTON	
83	92.72	20.53	0.00	4.06	1.22E+04	1.52E-02	1.44E-02	1.055	1.44E-02	3.2945E-04	3.1300E-04	SINTON	
84	93.22	20.53	0.00	4.06	1.11E+04	1.39E-02	1.32E-02	.954	1.45E-02	3.0115E-04	2.8611E-04	SINTON	
85	94.45	20.53	0.00	4.04	1.09E+04	1.36E-02	1.29E-02	.914	1.49E-02	2.9572E-04	2.8096E-04	SINTON	
86	95.70	20.53	0.00	4.06	1.12E+04	1.40E-02	1.33E-02	.915	1.53E-02	3.0363E-04	2.8843E-04	SINTON	
87	97.02	20.53	0.00	4.06	1.21E+04	1.52E-02	1.44E-02	.967	1.57E-02	3.2907E-04	3.1260E-04	SINTON	
88	98.55	20.53	0.00	4.06	1.27E+04	1.59E-02	1.51E-02	.965	1.65E-02	3.4468E-04	3.2739E-04	SINTON	
89	102.38	20.53	0.00	4.06	1.33E+04	1.67E-02	1.58E-02	.936	1.78E-02	3.6146E-04	3.4330E-04	SINTON	
90	104.63	20.53	0.00	4.06	1.39E+04	1.86E-02	1.77E-02	.968	1.93E-02	4.0429E-04	3.8399E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1159), C. BLUMER RSI TILE GAPS RUN(9) 1973 PAGE 7

TT = 1.1483E+03(K) CONF= 2.10
PT = 1.2503E+06(N/M2) GAP = .508 CM
HT = 1.2179E+06(J/KG) STEP = 0.000(CM)
RE/METER = 6.6927E+06
M&CM = 5.10
QS = 1.5495E+05(W/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.876 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 6.693E+06
1	91.95	-20.54	.75										
2	91.95	-20.54	.51	1.02	2.09E+03	2.764E-03	2.624E-03	.183	1.507E-02	4.4953E-05	4.2689E-05	SINTON	
3	91.95	-20.54	.26	1.02	1.17E+04	1.546E-02	1.468E-02	1.026	1.507E-02	2.5148E-04	2.3879E-04	SINTON	
4	91.95	-20.27	.10	1.02	1.42E+04	1.883E-02	1.788E-02	1.249	1.508E-02	3.0625E-04	2.9080E-04	SINTON	
5	92.00	-20.54	.05	1.02	1.80E+04	2.463E-02	2.339E-02	1.634	1.507E-02	4.0067E-04	3.8045E-04	SINTON	
6	92.07	-20.77	0.03	1.02	2.02E+04	2.682E-02	2.547E-02	1.777	1.510E-02	4.3638E-04	4.1426E-04	SINTON	
7	92.41	-20.54	0.00	1.02	2.46E+04	3.260E-02	3.095E-02	2.157	1.511E-02	5.3028E-04	5.0351E-04	SINTON	
8	92.70	-20.54	0.00	1.02	2.34E+04	3.100E-02	2.943E-02	2.047	1.515E-02	5.0422E-04	4.7875E-04	SINTON	
9	93.18	-20.54	0.00	1.02	2.21E+04	2.923E-02	2.776E-02	1.924	1.520E-02	4.7550E-04	4.5158E-04	SINTON	
10	94.47	-20.54	0.00	1.02	2.13E+04	2.840E-02	2.697E-02	1.852	1.533E-02	4.6198E-04	4.3871E-04	SINTON	
11	95.72	-20.54	0.00	1.02	2.33E+04	3.080E-02	2.925E-02	1.920	1.604E-02	5.0105E-04	4.7577E-04	SINTON	
12	97.02	-20.54	0.00	1.02	2.31E+04	3.063E-02	2.908E-02	1.778	1.723E-02	4.9826E-04	4.7310E-04	SINTON	
13	99.56	-20.54	0.00	1.02	2.93E+04	3.888E-02	3.684E-02	1.985	1.954E-02	6.3115E-04	5.9933E-04	SINTON	
14	102.10	-20.54	0.00	1.02	3.13E+04	4.146E-02	3.936E-02	1.865	2.222E-02	6.7434E-04	6.4031E-04	SINTON	
15	104.65	-20.53	0.00	1.02	3.52E+04	4.653E-02	4.418E-02	1.862	2.499E-02	7.5688E-04	7.1873E-04	SINTON	
16	91.82	-20.63	1.02										
17	91.82	-18.34	1.02										
18	91.95	-11.34	.76										
19	91.95	-19.34	.51										
20	91.95	-18.34	.25	1.02	6.24E+03	8.248E-03	7.832E-03	.545	1.514E-02	1.3416E-04	1.2741E-04	SINTON	
													RE/M= 6.548E+06
61	91.44	3.11	.26	2.03	4.37E+03	5.624E-03	5.343E-03	.331	1.699E-02	9.2785E-05	8.8141E-05	SINTUP	
62	91.44	3.11	.51	2.03	7.59E+02	9.751E-04	9.264E-04	.057	1.699E-02	1.6087E-05	1.5284E-05	SINTUP	
63	91.44	3.11	.48	2.03	1.41E+02	1.809E-04	1.719E-04	.011	1.699E-02	2.9852E-06	2.8361E-06	SINTUP	
64	91.44	3.11	1.47										
26	91.44	-0.00	.48										
27	91.44	-0.00	.75										
28	91.44	-0.00	.99										
29	91.44	-0.00	1.22	2.03	5.46E+02	6.992E-04	6.643E-04	.043	1.643E-02	1.1535E-05	1.0960E-05	SINTUP	
30	91.44	-0.00	1.52										
31	91.82	-0.00	2.03										
32	91.95	-0.00	1.77										
33	91.95	-0.10	1.58	2.03	8.41E+02	1.079E-03	1.025E-03	.064	1.674E-02	1.7798E-05	1.6909E-05	SINTON	
34	91.95	-0.00	1.22	2.03	6.20E+02	7.972E-04	7.573E-04	.048	1.674E-02	1.3151E-05	1.2494E-05	SINTON	
35	91.95	-0.00	.99										
36	91.95	-0.00	.75	2.03	9.02E+02	1.161E-03	1.103E-03	.069	1.674E-02	1.9152E-05	1.8193E-05	SINTON	
37	91.95	-0.00	.48	2.03	3.02E+03	3.888E-03	3.693E-03	.232	1.674E-02	6.4136E-05	6.0924E-05	SINTON	
38	91.95	-0.00	.27	2.03	1.09E+04	1.407E-02	1.336E-02	.841	1.674E-02	2.3212E-04	2.2048E-04	SINTON	
39	91.95	.12	.13	2.03	1.27E+04	1.638E-02	1.556E-02	.976	1.679E-02	2.7028E-04	2.5673E-04	SINTON	
40	92.00	-0.00	.05	2.03	1.47E+04	1.894E-02	1.799E-02	1.130	1.677E-02	3.1245E-04	2.9677E-04	SINTON	
41	92.12	.32	0.00	2.03	2.22E+04	2.855E-02	2.711E-02	1.690	1.689E-02	4.7097E-04	4.473.E-04	SINTON	
42	92.19	-0.00	0.00	2.03	2.29E+04	3.094E-02	2.939E-02	1.833	1.688E-02	5.1050E-04	4.8484E-04	SINTON	
43	92.51	-0.00	0.00	2.03	1.86E+04	2.402E-02	2.281E-02	1.398	1.719E-02	3.9627E-04	3.7635E-04	SINTON	
44	93.20	-0.00	0.00	2.03	1.74E+04	2.245E-02	2.132E-02	1.283	1.750E-02	3.7040E-04	3.5178E-04	SINTON	
45	94.47	-0.00	0.00	2.03	1.70E+04	2.291E-02	2.176E-02	1.254	1.827E-02	3.7800E-04	3.5902E-04	SINTON	
46	95.74	-0.00	0.00	2.03	1.64E+04	2.121E-02	2.014E-02	1.104	1.921E-02	3.4984E-04	3.3230E-04	SINTON	
47	97.03	-0.00	0.00	2.03	2.09E+04	2.697E-02	2.562E-02	1.331	2.026E-02	4.4493E-04	4.2261E-04	SINTON	
48	99.52	-0.00	0.00	2.03	2.20E+04	2.830E-02	2.688E-02	1.265	2.238E-02	4.6687E-04	4.4347E-04	SINTON	
49	102.09	-0.00	0.00	2.03	2.51E+04	3.238E-02	3.076E-02	1.309	2.474E-02	5.3427E-04	5.0749E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN1 9) 1973 PAGE 8

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (#/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
	184.64	-0.00	0.00	2.03	2.02E+04	3.635E-02	3.453E-02	1.338	2.717E-02	5.997JE-04	5.699JE-04	SINTOM	
65	91.82	3.11	2.03										
66	91.95	3.11	1.47										
67	91.95	3.11	.38	2.03	4.08E+02	6.168E-04	5.868E-04	.036	1.731E-02	1.8176E-05	9.6671E-06	SINTOM	
68	91.95	3.11	.51	2.03	2.22E+03	2.863E-03	2.719E-03	.165	1.731E-02	4.7226E-05	4.4868E-05	SINTOM	
69	91.95	3.11	.26	2.03	1.88E+04	1.392E-02	1.322E-02	.804	1.731E-02	2.2965E-04	2.1813E-04	SINTOM	
											RE/M=	4.602E+06	
71	91.95	20.53	3.45										
72	91.95	20.53	3.31										
73	91.95	20.53	2.51										
74	91.95	20.53	2.01										
75	91.95	20.53	1.52										
76	91.95	20.53	1.24										
77	91.95	20.53	1.08										
78	91.95	20.53	.74										
79	91.95	20.53	.50										
80	91.95	20.53	.24	4.06	1.31E+04	1.650E-02	1.567E-02	.793	2.001E-02	2.7627E-04	2.6246E-04	SINTOM	
81	92.00	20.53	0.00	4.06	1.91E+04	2.404E-02	2.283E-02	1.154	2.083E-02	4.8249E-04	3.8235E-04	SINTOM	
82	92.18	20.53	0.00	4.06	2.53E+04	3.185E-02	3.026E-02	1.523	2.091E-02	5.3337E-04	5.0666E-04	SINTOM	
83	92.72	20.53	0.00	4.06	2.28E+04	2.874E-02	2.730E-02	1.360	2.114E-02	4.8121E-04	4.5710E-04	SINTOM	
84	93.22	20.53	0.00	4.06	2.13E+04	2.690E-02	2.555E-02	1.260	2.135E-02	4.5035E-04	4.2770E-04	SINTOM	
85	94.46	20.53	0.00	4.06	2.12E+04	2.674E-02	2.540E-02	1.222	2.189E-02	4.4780E-04	4.2535E-04	SINTOM	
86	95.76	20.53	0.00	4.06	2.22E+04	2.808E-02	2.667E-02	1.244	2.257E-02	4.7012E-04	4.4654E-04	SINTOM	
87	97.02	20.53	0.00	4.06	2.42E+04	3.053E-02	2.900E-02	1.309	2.332E-02	5.1120E-04	4.8555E-04	SINTOM	
88	99.52	20.53	0.00	4.06	2.53E+04	3.204E-02	3.043E-02	1.298	2.463E-02	5.3658E-04	5.0955E-04	SINTOM	
89	102.08	20.53	0.00	4.06	2.81E+04	3.562E-02	3.383E-02	1.348	2.650E-02	5.9665E-04	5.6646E-04	SINTOM	
90	184.63	20.53	0.00	4.06	3.16E+04	4.002E-02	3.801E-02	1.410	2.838E-02	6.7008E-04	6.3641E-04	SINTOM	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(10) 1973 PAGE 9

TT = 1.0851E+03(K) CONF= 2.10
PT = 4.9562E+05(N/M2) GAP = .254 CM
HT = 1.1434E+07(J/KG) STEP = 0.000(CM)
RE/ME)X10= 1.6621E+06
MACH = 5.10
QS = 3.0232E+04(N/M2)
HAW/HT =0.987 FOR HT
HAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	1.662E+06
1	91.63	-20.54	.75	1.02	5.78E+01	8.397E-05	7.961E-05	.011	7.586E-03	4.0606E-06	3.8574E-06	SINTON	
2	91.63	-20.54	.51	1.02	4.10E+02	5.964E-04	5.654E-04	.079	7.586E-03	2.8898E-05	2.7397E-05	SINTON	
3	91.59	-20.54	.28	1.02	1.92E+03	2.791E-03	2.646E-03	.368	7.586E-03	1.3523E-04	1.2820E-04	SINTON	
4	91.69	-20.22	.13	1.02	2.32E+03	3.378E-03	3.203E-03	.446	7.567E-03	1.6371E-04	1.5520E-04	SINTON	
5	91.74	-21.54	.05	1.02	2.74E+03	3.990E-03	3.782E-03	.526	7.583E-03	1.9333E-04	1.8328E-04	SINTON	
6	91.42	-20.22	0.10	1.02	3.04E+03	4.403E-03	4.255E-03	.594	7.561E-03	2.1749E-04	2.0618E-04	SINTON	
7	92.15	-20.54	0.10	1.02	3.69E+03	5.367E-03	5.088E-03	.710	7.563E-03	2.6008E-04	2.4655E-04	SINTON	
8	92.45	-21.54	0.00	1.02	4.55E+03	6.601E-03	6.257E-03	.875	7.548E-03	3.1986E-04	3.0321E-04	SINTON	
9	92.93	-20.54	0.10	1.02	4.44E+03	6.466E-03	6.130E-03	.859	7.524E-03	3.1334E-04	2.9703E-04	SINTON	
10	94.22	-20.54	0.10	1.02	4 12E+03	6.007E-03	5.695E-03	.805	7.460E-03	2.9110E-04	2.7594E-04	SINTON	
11	95.46	-20.54	0.10	1.02	4.36E+03	6.358E-03	6.027E-03	.858	7.412E-03	3.0806E-04	2.9203E-04	SINTON	
12	96.77	-20.54	0.00	1.02	4.50E+03	6.558E-03	6.216E-03	.888	7.386E-03	3.1776E-04	3.0122E-04	SINTON	
13	99.31	-20.54	0.00	1.02	4.28E+03	6.122E-03	5.803E-03	.835	7.335E-03	2.9666E-04	2.8121E-04	SINTON	
14	101.8.	-20.54	0.00	1.02	4.12E+03	6.001E-03	5.689E-03	.862	6.962E-03	2.9873E-04	2.7565E-04	SINTON	
15	104.39	-20.54	0.00	1.02	4.39E+03	6.387E-03	6.054E-03	.988	6.466E-03	3.0947E-04	2.9337E-04	SINTON	
16	91.67	-20.54	1.02										
17	91.67	-18.94	1.02										
18	91.69	-18.94	.76	1.02	5.82E+01	8.447E-05	8.009E-05	.011	7.497E-03	4.0933E-06	3.8808E-06	SINTON	
19	91.69	-18.94	.51	1.02	3.40E+02	4.939E-04	4.682E-04	.066	7.497E-03	2.3932E-05	2.2689E-05	SINTON	
20	91.69	-18.94	.25	1.02	1.83E+03	2.656E-03	2.518E-03	.354	7.497E-03	1.2870E-04	1.2201E-04	SINTON	
												RE/M=	1.562E+06
61	91.44	3.11	.26	2.03	1.20E+03	1.652E-03	1.568E-03	.237	6.986E-03	8.2294E-05	7.8087E-05	SINTUP	
62	91.44	3.11	.51	2.03	1.86E+02	2.557E-04	2.426E-04	.037	6.986E-03	1.2734E-05	1.2083E-05	SINTUP	
63	91.44	3.11	.98										
64	91.44	3.11	1.47	2.03	6.04E+01	8.276E-05	7.854E-05	.012	6.986E-03	4.1222E-06	3.9117E-06	SINTUP	
26	91.44	-0.00	.48										
27	91.44	-0.00	.75										
28	91.44	-0.10	.99										
29	91.44	-0.10	1.22	2.03	9.82E+00	1.346E-05	1.277E-05	.002	6.945E-03	6.7047E-07	6.3624E-07	SINTUP	
30	91.44	-0.03	1.52										
31	91.57	-0.00	2.03										
32	91.69	-0.07	1.77										
33	91.69	-0.00	1.51										
34	91.63	-0.00	1.22	2.03	6.23E+01	8.537E-05	8.101E-05	.012	6.932E-03	4.2521E-06	4.0349E-06	SINTON	
35	91.59	-0.00	.99	2.03	7.38E+01	1.096E-04	1.038E-04	.016	6.932E-03	5.4494E-06	5.1710E-06	SINTON	
36	91.69	-0.00	.75	2.03	2.14E+02	2.931E-04	2.781E-04	.042	6.932E-03	1.4599E-05	1.3853E-05	SINTON	
37	91.69	-0.00	.48	2.03	7.04E+02	9.660E-04	9.166E-04	.139	6.932E-03	4.8113E-05	4.5634E-05	SINTON	
38	91.59	-0.00	.27	2.03	2.47E+03	3.397E-03	3.223E-03	.490	6.932E-03	1.6919E-04	1.6053E-04	SINTON	
39	91.69	-0.0	.13	2.03	3.71E+03	5.090E-03	4.830E-03	.734	6.935E-03	2.5351E-04	2.4054E-04	SINTON	
40	91.74	-0.00	.05	2.03	3.98E+03	5.476E-03	5.196E-03	.790	6.930E-03	2.7275E-04	2.5879E-04	SINTON	
41	91.46	.02	0.00	2.03	4.57E+03	6.283E-03	5.961E-03	.907	6.926E-03	3.1291E-04	2.9691E-04	SINTON	
42	91.46	-0.00	0.00	2.03	5.10E+03	7.013E-03	6.654E-03	1.013	6.920E-03	3.4930E-04	3.3142E-04	SINTON	
43	92.63	-1.10	0.00	2.03	4.92E+03	6.765E-03	6.418E-03	.981	6.895E-03	3.3691E-04	3.1966E-04	SINTON	
44	92.95	-1.10	0.00	2.03	4.63E+03	6.371E-03	6.045E-03	.928	6.868E-03	3.1732E-04	3.0106E-04	SINTON	
45	94.22	-1.10	0.00	2.03	4.54E+03	6.246E-03	5.926E-03	.918	6.803E-03	3.1107E-04	2.9515E-04	SINTON	
46	95.64	-1.03	0.00	2.03	3.99E+03	5.492E-03	5.211E-03	.812	6.760E-03	2.7354E-04	2.5956E-04	SINTON	
47	96.79	-1.10	0.00	2.03	4.45E+03	6.113E-03	5.800E-03	.905	6.753E-03	3.0447E-04	2.8888E-04	SINTON	
48	99.29	-1.03	0.00	2.03	4.47E+03	6.138E-03	5.824E-03	.911	6.738E-03	3.0573E-04	2.9009E-04	SINTON	
49	101.93	-0.00	0.00	2.03	4.26E+03	5.853E-03	5.554E-03	.884	6.618E-03	2.9152E-04	2.7660E-04	SINTON	
50	104.34	-0.00	0.00	2.03	4.26E+03	5.849E-03	5.550E-03	.905	6.458E-03	2.9132E-04	2.7642E-04	SINTON	
65	91.67	3.11	2.03	2.03	1.36E+02	1.868E-04	1.773E-04	.027	6.980E-03	9.3844E-06	8.8295E-06	SINTON	
66	91.69	3.11	1.47										
67	91.69	3.11	.98										

AMES 3.5 FT WIND TUNNEL TEST(1501). G. BLUMER RSI TILE GAPS RUN(101) 1973 PAGE 18

P/C	Z (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
68	91.69	3.11	.21	2.03	3.05E+02	4.191E-04	3.977E-04	.060	6.973E-03	2.0872E-05	1.9806E-05	SINTOM
69	91.69	3.11	.26	2.03	1.84E+03	2.586E-03	2.454E-03	.371	6.973E-03	1.2879E-04	1.2220E-04	SINTOM
											RE/M=	1.538E+06
71	91.69	20.53	1.45									
72	91.69	20.53	1.01									
73	91.69	20.53	2.51									
74	91.69	20.53	2.01									
75	91.69	20.53	1.52									
76	91.69	20.53	1.24									
77	91.69	20.53	1.00									
78	91.69	20.53	.74	4.06	3.13E+01	4.485E-05	4.257E-05	.006	7.832E-03	2.2542E-06	2.1395E-06	SINTOM
79	91.69	20.53	.50	4.06	4.61E+02	6.222E-04	5.935E-04	.079	7.832E-03	3.1274E-05	2.9682E-05	SINTOM
80	91.69	20.53	.24	4.06	2.17E+03	2.926E-03	2.777E-03	.374	7.832E-03	1.4706E-04	1.3957E-04	SINTOM
81	91.69	20.53	.05	4.06	2.99E+03	4.046E-03	3.834E-03	.516	7.430E-03	2.0308E-04	1.9273E-04	SINTOM
82	91.93	25.53	0.00	4.06	4.13E+03	5.580E-03	5.295E-03	.713	7.822E-03	2.8045E-04	2.6614E-04	SINTOM
83	92.06	20.53	0.00	4.06	4.53E+03	6.131E-03	5.818E-03	.786	7.801E-03	3.0817E-04	2.9243E-04	SINTOM
84	92.35	20.53	0.00	4.06	4.44E+03	6.007E-03	5.700E-03	.772	7.781E-03	3.0194E-04	2.8650E-04	SINTOM
85	96.21	20.53	0.00	4.06	4.50E+03	6.207E-03	5.890E-03	.803	7.731E-03	3.1201E-04	2.9605E-04	SINTOM
86	95.51	20.53	0.00	4.06	4.23E+03	5.738E-03	5.437E-03	.746	7.677E-03	2.8801E-04	2.7320E-04	SINTOM
87	96.26	20.53	0.00	4.06	4.10E+03	5.559E-03	5.275E-03	.729	7.623E-03	2.7943E-04	2.6513E-04	SINTOM
88	99.29	20.53	0.00	4.06	2.95E+03	3.999E-03	3.794E-03	.532	7.513E-03	2.0101E-04	1.9071E-04	SINTOM
89	101.03	20.53	0.00	4.06	4.23E+03	5.735E-03	5.451E-03	.779	7.379E-03	2.8802E-04	2.7401E-04	SINTOM
90	104.38	20.53	0.00	4.06	4.27E+03	5.805E-03	5.508E-03	.802	7.239E-03	2.9178E-04	2.7683E-04	SINTOM

AMES 3.5 FT WIND TUNNEL TEST(150), C. BLUMER RSI TILE GAPS RUN(11) 1973 PAGE 11

TT = 1.1070E+03(K) CONF= 2.10
PT = 9.4356E+05(N/M2) GAP = .254 CM
HT = 1.1692E+06(J/KG) STEP = 0.0000(CM)
RE/METER= 2.7804E+06
MACH = 5.10
QS = 1.0730E+05(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.876 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.719E+06
1	91.69	-20.54	.75	1.02	5.95E+01	8.387E-05	7.955E-05	.009	9.123E-03	2.4381E-06	2.3124E-06	SINTON	
2	91.69	-20.54	.51	1.02	6.90E+02	9.744E-04	9.241E-04	.107	9.123E-03	2.8326E-05	2.6864E-05	SINTON	
3	91.64	-20.54	.28	1.02	2.91E+03	4.120E-03	3.907E-03	.452	9.123E-03	1.1977E-04	1.1359E-04	SINTON	
4	91.69	-20.22	.10	1.02	3.32E+03	4.700E-03	4.457E-03	.516	9.113E-03	1.3663E-04	1.2957E-04	SINTON	
5	91.74	-20.54	.05	1.02	3.81E+03	5.394E-03	5.115E-03	.591	9.122E-03	1.5679E-04	1.4869E-04	SINTON	
6	91.82	-20.22	0.00	1.02	3.93E+03	5.648E-03	5.356E-03	.620	9.111E-03	1.6419E-04	1.5570E-04	SINTON	
7	92.15	-20.54	0.00	1.02	5.01E+03	7.086E-03	6.720E-03	.778	9.112E-03	2.0599E-04	1.9534E-04	SINTON	
8	92.45	-20.54	0.00	1.02	6.51E+03	9.223E-03	8.746E-03	1.013	9.104E-03	2.6811E-04	2.5423E-04	SINTON	
9	92.93	-20.54	0.00	1.02	6.49E+03	9.202E-03	8.726E-03	1.012	9.091E-03	2.6751E-04	2.5366E-04	SINTON	
10	94.22	-20.54	0.00	1.02	6.24E+03	8.837E-03	8.379E-03	.976	9.058E-03	2.5688E-04	2.4359E-04	SINTON	
11	95.48	-20.54	0.00	1.02	6.66E+03	9.434E-03	8.946E-03	1.040	9.075E-03	2.7425E-04	2.6006E-04	SINTON	
12	96.77	-20.54	0.00	1.02	7.06E+03	1.000E-02	9.484E-03	1.098	9.180E-03	2.9075E-04	2.7570E-04	SINTON	
13	99.31	-20.54	0.00	1.02	6.93E+03	9.822E-03	9.314E-03	1.047	9.385E-03	2.8552E-04	2.7074E-04	SINTON	
14	101.95	-20.54	0.00	1.02	7.20E+03	1.019E-02	9.659E-03	1.085	9.383E-03	2.9608E-04	2.8077E-04	SINTON	
15	104.34	-20.53	0.00	1.02	8.42E+03	1.191E-02	1.129E-02	1.288	9.305E-03	3.4621E-04	3.2832E-04	SINTON	
16	91.57	-20.53	1.02										
17	91.57	-18.34	1.02										
18	91.69	-18.44	.76	1.02	7.52E+01	1.060E-04	1.005E-04	.012	9.077E-03	3.8814E-06	2.9225E-06	SINTON	
19	91.69	-18.34	.51	1.02	5.56E+02	7.853E-04	7.447E-04	.087	9.077E-03	2.2827E-05	2.1649E-05	SINTON	
20	91.69	-18.24	.25	1.02	2.79E+03	3.943E-03	3.740E-03	.434	9.077E-03	1.1462E-04	1.0871E-04	SINTON	
													RE/M= 2.562E+06
61	91.44	3.11	.26	2.03	1.54E+03	2.057E-03	1.952E-03	.234	8.788E-03	6.1408E-05	5.8278E-05	SINTUP	
62	91.44	3.11	.51	2.03	1.79E+02	2.397E-04	2.275E-04	.027	8.788E-03	7.1544E-06	6.7908E-06	SINTUP	
63	91.44	3.11	.99	2.03	3.09E+01	4.122E-05	3.913E-05	.005	8.788E-03	1.2305E-06	1.1681E-06	SINTUP	
64	91.44	3.11	1.47	2.03	9.12E+01	1.217E-04	1.155E-04	.014	8.788E-03	3.6324E-06	3.4481E-06	SINTUP	
26	91.44	-0.00	.44										
27	91.44	-0.00	.75										
28	91.44	-0.00	.49										
29	91.44	-0.00	1.22	2.03	5.74E+01	7.656E-05	7.267E-05	.009	8.691E-03	2.2854E-06	2.1695E-06	SINTUP	
30	91.44	-0.00	1.52										
31	91.67	-0.00	2.03	2.03	2.69E+01	3.587E-05	3.405E-05	.004	8.703E-03	1.0708E-06	1.0165E-06	SINTON	
32	91.69	-0.00	1.77										
33	91.69	-0.00	1.51										
34	91.69	-0.00	1.22	2.03	1.71E+02	2.309E-04	2.192E-04	.026	8.716E-03	6.8925E-06	6.5426E-06	SINTON	
35	91.69	-0.00	.99	2.03	1.05E+02	1.419E-04	1.347E-04	.016	8.716E-03	4.2358E-06	4.0207E-06	SINTON	
36	91.69	-0.00	.75	2.03	3.33E+02	4.452E-04	4.226E-04	.051	8.716E-03	1.3292E-05	1.2616E-05	SINTON	
37	91.69	-0.00	.48	2.03	1.03E+03	1.380E-03	1.310E-03	.158	8.716E-03	4.1200E-05	3.9104E-05	SINTON	
38	91.69	-0.00	.27	2.03	3.51E+03	4.813E-03	4.568E-03	.552	8.716E-03	1.4367E-04	1.3636E-04	SINTON	
39	91.69	.12	.13	2.03	4.84E+03	6.475E-03	6.145E-03	.742	8.724E-03	1.9328E-04	1.8344E-04	SINTON	
40	91.74	-0.00	.05	2.03	5.60E+03	7.502E-03	7.120E-03	.860	8.720E-03	2.2396E-04	2.1255E-04	SINTON	
41	91.84	.32	0.00	2.03	5.97E+03	7.993E-03	7.586E-03	.914	8.741E-03	2.3860E-04	2.2646E-04	SINTON	
42	91.94	-0.00	0.00	2.03	7.07E+03	9.477E-03	8.9 [illegible]E-03	1.064	8.739E-03	2.8294E-04	2.6849E-04	SINTON	
43	92.43	-0.00	0.00	2.03	6.81E+03	9.131E-03	8.6[illegible]E-03	1.039	8.786E-03	2.7258E-04	2.5869E-04	SINTON	
44	92.95	-0.00	0.00	2.03	6.37E+03	8.549E-03	8.113E-03	.968	8.835E-03	2.5521E-04	2.4220E-04	SINTON	
45	94.22	-0.00	0.00	2.03	6.29E+03	8.436E-03	8.006E-03	.942	8.957E-03	2.5182E-04	2.3899E-04	SINTON	
46	95.48	-0.00	0.00	2.03	5.52E+03	7.400E-03	7.023E-03	.814	9.088E-03	2.2090E-04	2.0965E-04	SINTON	
47	96.75	-0.00	0.00	2.03	6.28E+03	8.409E-03	7.981E-03	.910	9.236E-03	2.5103E-04	2.3825E-04	SINTON	
48	99.29	-0.00	0.00	2.03	6.29E+03	8.418E-03	7.989E-03	.883	9.534E-03	2.5129E-04	2.3850E-04	SINTON	
49	101.83	-0.00	0.00	2.03	6.22E+03	8.329E-03	7.905E-03	.846	9.845E-03	2.4863E-04	2.3598E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(11) 1973 PAGE 12

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
58	104.38	-0.00	0.00	2.03	6.49E+03	8.689E-03	8.247E-03	.855	1.016E-02	2.5938E-04	2.4618E-04	SINTON
65	91.57	3.11	2.84									
66	91.64	3.11	1.47									
67	91.69	3.11	.98									
68	91.64	3.11	.51	2.03	4.99E+02	6.673E-04	6.333E-04	.876	8.014E-03	1.9919E-05	1.8907E-05	SINTON
69	91.69	3.11	.26	2.03	2.71E+03	3.626E-03	3.441E-03	.411	8.814E-03	1.8824E-04	1.8273E-04	SINTON
												RE/M= 2.487E+06
71	91.69	20.53	3.45									
72	91.69	20.53	3.01									
73	91.69	20.53	2.51									
74	91.64	20.53	2.01									
75	91.69	20.53	1.52									
76	91.69	20.53	1.24									
77	91.69	20.53	1.00									
78	91.69	20.53	.76									
79	91.69	20.53	.50	4.06	3.91E+02	5.181E-04	4.843E-04	.054	9.494E-03	1.5430E-05	1.4449E-05	SINTON
80	91.69	20.53	.24	4.06	2.53E+03	3.313E-03	3.145E-03	.349	9.494E-03	1.8821E-04	9.5130E-05	SINTON
81	91.74	20.53	.05	4.06	3.43E+03	4.494E-03	4.266E-03	.473	9.498E-03	1.3594E-04	1.2904E-04	SINTON
82	91.93	20.53	0.00	4.06	4.91E+03	6.429E-03	6.102E-03	.676	9.510E-03	1.9447E-04	1.8459E-04	SINTON
83	92.46	20.53	0.00	4.06	5.73E+03	7.517E-03	7.135E-03	.788	9.545E-03	2.2730E-04	2.1582E-04	SINTON
84	92.96	20.53	0.00	4.06	5.56E+03	7.303E-03	6.931E-03	.762	9.578E-03	2.2090E-04	2.0966E-04	SINTON
85	94.21	20.53	0.00	4.06	5.94E+03	7.684E-03	7.292E-03	.795	9.668E-03	2.3243E-04	2.2059E-04	SINTON
86	95.51	20.53	0.00	4.06	5.44E+03	7.231E-03	6.863E-03	.743	9.736E-03	2.1875E-04	2.0759E-04	SINTON
87	96.76	20.53	0.00	4.06	5.36E+03	7.056E-03	6.696E-03	.728	9.793E-03	2.1343E-04	2.0254E-04	SINTON
88	99.29	20.53	0.00	4.06	5.12E+03	6.755E-03	6.409E-03	.682	9.909E-03	2.0433E-04	1.9388E-04	SINTON
89	101.83	20.53	0.00	4.06	5.87E+03	7.760E-03	7.363E-03	.758	1.024E-02	2.3473E-04	2.2272E-04	SINTON
90	104.38	20.53	0.00	4.06	5.91E+03	7.805E-03	7.406E-03	.732	1.066E-02	2.3609E-04	2.2402E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(150), C. BLUMER RSI TILE GAPS RUN# 12) 1973 PAGE 13

HT = 1.1731E+03(K) COWF= 2.10
PT = 1.2001E+05(N/M2) GAP = .254 CM
HT = 1.1844E+06(J/KG) STEP = 0.300(CM)
RE/MLTEP= 3.792E+06
MACH = 5.10
GG = 1.3001E+00(M/S2)
HAW/HT =0.967 FOR HT
HAW/HT =0.974 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	3.792E+06
1	91.69	-20.64	.75	1.02	2.02E+02	2.80dE-04	2.604E-04	.023	1.220E-02	5.7080E-06	5.4906E-06	SINTDN	
2	91.67	-20.64	.51	1.02	1.20E+03	1.662E-03	1.576E-03	.136	1.220E-02	3.4250E-05	3.2495E-05	SINTDN	
3	91.69	-20.64	.29	1.02	5.81E+03	6.081E-03	7.665E-03	.662	1.220E-02	1.6658E-04	1.5800E-04	SINTDN	
4	91.69	-20.27	.10	1.02	7.42E+03	1.033E-02	9.795E-03	.847	1.220E-02	2.1287E-04	2.0190E-04	SINTDN	
5	91.74	-20.14	.05	1.02	9.94E+03	1.383E-02	1.312E-02	1.133	1.221E-02	2.8516E-04	2.7047E-04	SINTDN	
6	91.82	-20.22	0.00	1.02	1.13E+04	1.577E-02	1.496E-02	1.292	1.221E-02	3.2503E-04	3.0827E-04	SINTDN	
7	92.15	-20.64	0.30	1.02	1.33E+04	1.850E-02	1.754E-02	1.512	1.224E-02	3.8127E-04	3.6160E-04	SINTDN	
8	92.65	-20.64	0.03	1.02	1.53E+04	2.136E-02	2.026E-02	1.742	1.226E-02	4.4030E-04	4.1757E-04	SINTDN	
9	92.93	-20.64	0.00	1.02	1.52E+04	2.128E-02	2.018E-02	1.731	1.230E-02	4.3859E-04	4.1594E-04	SINTDN	
10	94.22	-20.64	0.00	1.02	1.53E+04	2.137E-02	2.027E-02	1.725	1.239E-02	4.4058E-04	4.1783E-04	SINTDN	
11	95.46	-20.64	0.00	1.02	1.72E+04	2.403E-02	2.279E-02	1.897	1.267E-02	4.9534E-04	4.6977E-04	SINTDN	
12	96.77	-20.64	0.00	1.02	1.82E+04	2.545E-02	2.414E-02	1.918	1.327E-02	5.2459E-04	4.9750E-04	SINTDN	
13	98.31	-20.64	0.00	1.02	1.87E+04	2.750E-02	2.608E-02	1.905	1.444E-02	5.6692E-04	5.3765E-04	SINTDN	
14	101.85	-20.64	0.33	1.02	2.04E+04	2.839E-02	2.692E-02	1.797	1.579E-02	5.8516E-04	5.5497E-04	SINTDN	
15	104.39	-20.64	0.10	1.02	2.41E+04	3.355E-02	3.182E-02	1.949	1.722E-02	6.9161E-04	6.5596E-04	SINTDN	
16	91.67	-20.28	1.02										
17	91.67	-19.94	1.02										
18	91.69	-19.44	.76	1.02	1.92E+02	2.659E-04	2.522E-04	.022	1.218E-02	5.4808E-06	5.1993E-06	SINTDN	
19	91.69	-19.44	.51	1.02	1.03E+03	1.457E-03	1.382E-03	.120	1.218E-02	3.0029E-05	2.8484E-05	SINTDN	
20	91.69	-19.44	.25	1.02	5.65E+03	7.959E-03	7.454E-03	.645	1.218E-02	1.6199E-04	1.5365E-04	SINTDN	
												RE/M=	3.583E+06
61	91.64	3.11	.26	2.03	2.58E+03	3.339E-03	3.169E-03	.278	1.199E-02	7.1298E-05	6.7699E-05	SINTUP	
62	91.64	3.11	.51	2.03	3.90E+02	5.039E-04	4.784E-04	.042	1.199E-02	1.0762E-05	1.0219E-05	SINTUP	
63	91.64	3.11	.78	2.03	8.42E+01	1.087E-04	1.032E-04	.009	1.199E-02	2.3210E-06	2.2041E-06	SINTUP	
64	91.64	3.11	1.07	2.03	1.46E+02	1.889E-04	1.794E-04	.016	1.199E-02	4.0358E-06	3.8325E-06	SINTUP	
26	91.64	-3.33	.04										
27	91.64	-3.31	.75										
28	91.64	-3.33	.33										
29	91.64	-3.33	1.02	2.03	3.54E+02	4.573E-04	4.343E-04	.039	1.170E-02	9.7684E-06	9.2765E-06	SINTUP	
30	91.64	-3.33	1.02										
31	91.57	-3.33	2.13										
32	91.64	-3.33	1.77	2.03	1.47E+02	1.894E-04	1.799E-04	.016	1.174E-02	4.0469E-06	3.8432E-06	SINTDN	
33	91.69	-3.33	1.51	2.03	1.80E+02	2.320E-04	2.203E-04	.020	1.178E-02	4.9564E-06	4.7069E-06	SINTDN	
34	91.69	-3.33	1.27	2.03	5.54E+02	7.157E-04	6.797E-04	.061	1.178E-02	1.5289E-05	1.4519E-05	SINTDN	
35	91.69	-3.33	.99	2.03	5.01E+02	6.463E-04	6.138E-04	.055	1.178E-02	1.3807E-05	1.3111E-05	SINTDN	
36	91.64	-3.33	.75	2.03	7.14E+02	9.224E-04	8.762E-04	.078	1.178E-02	1.9712E-05	1.8718E-05	SINTDN	
37	91.69	-3.33	.49	2.03	1.87E+03	2.424E-03	2.301E-03	.206	1.178E-02	5.1776E-05	4.9162E-05	SINTDN	
38	91.69	-3.33	.27	2.03	6.87E+03	8.911E-03	8.460E-03	.755	1.178E-02	1.9035E-04	1.8073E-04	SINTDN	
39	91.69	-3.33	.13	2.03	8.72E+03	1.135E-02	1.077E-02	.961	1.181E-02	2.4239E-04	2.3015E-04	SINTDN	
40	91.74	-3.33	.05	2.03	1.05E+04	1.367E-02	1.298E-02	1.158	1.180E-02	2.9203E-04	2.7726E-04	SINTDN	
41	91.82	-3.33	0.00	2.03	1.15E+04	1.484E-02	1.409E-02	1.250	1.187E-02	3.1698E-04	3.0097E-04	SINTDN	
42	91.84	-3.33	0.00	2.03	1.34E+04	1.738E-02	1.650E-02	1.465	1.187E-02	3.7132E-04	3.5254E-04	SINTDN	
43	92.42	-3.33	0.00	2.03	1.24E+04	1.614E-02	1.523E-02	1.333	1.204E-02	3.4273E-04	3.2537E-04	SINTDN	
44	92.98	-3.33	0.00	2.03	1.15E+04	1.501E-02	1.425E-02	1.223	1.221E-02	3.2063E-04	3.0440E-04	SINTDN	
45	94.22	-3.33	0.00	2.03	1.13E+04	1.533E-02	1.456E-02	1.212	1.265E-02	3.2750E-04	3.1093E-04	SINTDN	
46	95.47	-3.33	0.00	2.03	1.04E+04	1.354E-02	1.333E-02	1.068	1.315E-02	2.9999E-04	2.8481E-0	SINTDN	
47	96.76	-3.33	0.00	2.03	1.32E+04	1.714E-02	1.627E-02	1.243	1.378E-02	3.6604E-04	3.4756E-04	SINTDN	
48	98.29	-3.33	0.00	2.03	1.45E+04	1.883E-02	1.788E-02	1.251	1.505E-02	4.0233E-04	3.8198E-04	SINTDN	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(12) 1973 PAGE 14

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STI	GAP-TYPE
49	101.93	-0.00	0.00	2.03	1.55E+04	2.013E-02	1.911E-02	1.220	1.650E-02	4.2997E-04	4.0823E-04	SINTON
50	104.38	-0.00	0.00	2.03	1.73E+04	2.239E-02	2.126E-02	1.241	1.803E-02	4.7823E-04	4.5486E-04	SINTON
65	91.57	3.11	2.03	2.03	6.98E+01	8.991E-05	8.539E-05	.007	1.204E-02	1.9207E-06	1.8240E-06	SINTON
66	91.69	3.11	1.47									
67	91.69	3.11	.98	2.03	1.82E+02	2.347E-04	2.229E-04	.019	1.208E-02	5.0143E-06	4.7618E-06	SINTON
68	91.69	3.11	.51	2.03	9.86E+02	1.275E-03	1.210E-03	.105	1.208E-02	2.7231E-05	2.5857E-05	SINTON
69	91.69	3.11	.26	2.03	5.43E+03	7.023E-03	6.668E-03	.581	1.208E-02	1.5002E-04	1.4244E-04	SINTON
											RE/M=	3.388E+06
71	91.69	20.63	3.65	4.06	6.12E+01	7.643E-05	7.266E-05	.005	1.407E-02	1.6604E-06	1.5775E-06	SINTON
72	91.69	20.63	3.01	4.06	8.64E+01	1.083E-04	1.026E-04	.008	1.407E-02	2.3447E-06	2.2276E-06	SINTON
73	91.69	20.63	2.51	4.06	1.13E+02	1.409E-04	1.338E-04	.010	1.407E-02	3.0585E-06	2.9057E-06	SINTON
74	91.69	20.63	2.01									
75	91.69	20.63	1.52	4.06	4.88E+01	6.108E-05	5.802E-05	.004	1.407E-02	1.3260E-06	1.2597E-06	SINTON
76	91.69	20.63	1.24	4.06	7.05E+01	8.845E-05	8.402E-05	.006	1.407E-02	1.9203E-06	1.8241E-06	SINTON
77	91.69	20.63	1.00	4.06	1.09E+01	1.363E-05	1.295E-05	.001	1.407E-02	2.9589E-07	2.8106E-07	SINTON
78	91.69	20.63	.74	4.06	3.01E+02	3.777E-04	3.588E-04	.027	1.407E-02	8.2009E-06	7.7895E-06	SINTON
79	91.69	20.63	.50	4.06	7.69E+02	9.648E-04	9.182E-04	.069	1.407E-02	2.0988E-05	1.9934E-05	SINTON
80	91.69	20.63	.24	4.06	4.42E+03	5.574E-03	5.293E-03	.396	1.407E-02	1.2101E-04	1.1492E-04	SINTON
81	91.74	20.63	.05	4.06	6.12E+03	7.725E-03	7.336E-03	.549	1.408E-02	1.6772E-04	1.5926E-04	SINTON
82	91.93	20.63	0.00	4.06	9.30E+03	1.175E-02	1.116E-02	.832	1.414E-02	2.5516E-04	2.4229E-04	SINTON
83	92.49	20.63	0.00	4.06	1.06E+04	1.339E-02	1.272E-02	.937	1.429E-02	2.9079E-04	2.7610E-04	SINTON
84	92.96	20.63	0.00	4.06	1.04E+04	1.319E-02	1.252E-02	.914	1.444E-02	2.8631E-04	2.7183E-04	SINTON
85	94.21	20.63	0.00	4.06	1.03E+04	1.309E-02	1.309E-02	.932	1.480E-02	2.9941E-04	2.8424E-04	SINTON
86	95.51	20.63	0.30	4.06	1.15E+04	1.460E-02	1.336E-02	.961	1.519E-02	3.1689E-04	3.0082E-04	SINTON
87	96.76	20.63	0.00	4.06	1.14E+04	1.453E-02	1.379E-02	.933	1.557E-02	3.1538E-04	2.9939E-04	SINTON
88	99.29	20.63	0.00	4.06	1.26E+04	1.607E-02	1.525E-02	.983	1.635E-02	3.4888E-04	3.3116E-04	SINTON
89	101.83	20.63	0.00	4.06	1.49E+04	1.906E-02	1.809E-02	1.082	1.761E-02	4.1371E-04	3.9265E-04	SINTON
90	104.38	20.63	0.00	4.06	1.69E+04	2.159E-02	2.049E-02	1.132	1.907E-02	4.6877E-04	4.4491E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1559), C. BLUMER RSI TILE GAPS RUN(13) 1973 PAGE 15

TT = 1.1143E+03(K) CONF= 2.10
PT = 1.0837E+05(N/M2) GAP = .254 CM
HT = 1.1777E+06(J/KG) STEP = 0.000(CM)
RE/METER = 4.0990E+06
MACH = 7.10
QS = 1.4569E+05(W/M2)
HAW/HT = 0.907 FOR HT
HAW/HT = 0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP0 (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.988E+06
1	91.59	+20.64	.75	1.02	3.49E+02	4.893E-04	4.640E-04	.031	1.569E-02	7.8440E-06	7.4331E-06	SINTON	
2	91.59	+20.64	.21	1.02	2.03E+03	2.850E-03	2.703E-03	.182	1.569E-02	4.5692E-05	4.3329E-05	SINTON	
3	91.59	+20.64	.28	1.02	1.13E+04	1.661E-02	1.575E-02	1.058	1.569E-02	2.6022E-04	2.5243E-04	SINTON	
4	91.59	+20.64	.10	1.02	1.09E+04	2.376E-02	2.253E-02	1.513	1.570E-02	3.8087E-04	3.6114E-04	SINTON	
5	91.74	+20.64	.65	1.02	2.44E+04	3.442E-02	3.264E-02	2.193	1.570E-02	5.5186E-04	5.2328E-04	SINTON	
6	91.82	+20.27	0.00	1.02	2.90E+04	4.088E-02	3.876E-02	2.601	1.572E-02	6.5548E-04	6.2146E-04	SINTON	
7	92.15	+20.64	0.00	1.02	3.32E+04	4.677E-02	4.435E-02	2.971	1.574E-02	7.4990E-04	7.1047E-04	SINTON	
8	92.46	+20.64	0.00	1.02	3.50E+04	4.942E-02	4.685E-02	3.133	1.578E-02	7.9236E-04	7.5118E-04	SINTON	
9	92.93	+20.64	0.00	1.02	3.60E+04	4.802E-02	4.552E-02	3.033	1.583E-02	7.6984E-04	7.2982E-04	SINTON	
10	96.22	+20.64	0.00	1.02	3.51E+04	4.679E-02	4.436E-02	2.929	1.598E-02	7.5020E-04	7.1122E-04	SINTON	
11	99.46	+20.64	0.00	1.02	3.78E+04	5.333E-02	5.056E-02	3.225	1.653E-02	8.5495E-04	8.1053E-04	SINTON	
12	96.77	+20.64	0.00	1.02	3.74E+04	5.294E-02	5.010E-02	2.960	1.786E-02	8.4721E-04	8.0318E-04	SINTON	
13	95.71	+20.64	0.00	1.02	3.36E+04	5.588E-02	5.298E-02	2.735	2.043E-02	8.9593E-04	6.4939E-04	SINTON	
14	101.45	+20.64	0.00	1.02	3.49E+04	5.203E-02	4.933E-02	2.227	2.336E-02	8.3411E-04	7.9082E-04	SINTON	
15	104.34	+20.63	0.00	1.02	4.19E+04	5.887E-02	5.582E-02	2.227	2.643E-02	9.4384E-04	8.9493E-04	SINTON	
16	91.57	+20.64	1.02	1.02	9.53E+01	1.375E-04	1.304E-04	.009	1.568E-02	2.2040E-06	2.0985E-06	SINTON	
17	91.57	+19.64	1.02	1.02	9.15E+01	1.291E-04	1.215E-04	.008	1.575E-02	2.0530E-06	1.9473E-06	SINTON	
18	91.61	+19.64	.76	1.02	5.69E+02	7.135E-04	6.766E-04	.045	1.577E-02	1.1438E-05	1.0848E-05	SINTON	
19	91.64	+19.64	.51	1.02	1.82E+03	2.557E-03	2.425E-03	.162	1.577E-02	4.0990E-05	3.8871E-05	SINTON	
20	91.69	+19.64	.25	1.02	1.17E+04	1.650E-02	1.565E-02	1.046	1.577E-02	2.6454E-04	2.5085E-04	SINTON	
													RE/M= 4.989E+06
51	91.64	3.11	.75	2.03	6.75E+01	8.809E-03	8.363E-03	.524	1.681E-02	1.4659E-04	1.3916E-04	SINTUP	
52	91.64	3.11	.51	2.03	1.20E+03	1.558E-03	1.479E-03	.093	1.681E-02	2.5925E-05	2.4611E-05	SINTUP	
53	91.64	3.11	.28	2.03	3.71E+02	4.823E-04	4.579E-04	.029	1.681E-02	8.0250E-06	7.6191E-06	SINTUP	
54	91.64	3.11	1.27	2.03	5.12E+02	6.650E-04	6.313E-04	.040	1.681E-02	1.1065E-05	1.0506E-05	SINTUP	
26	91.64	-0.03	.64										
27	91.64	-0.03	.75										
28	91.64	-0.03	.89										
29	91.64	-0.03	1.22	2.03	1.23E+03	1.600E-03	1.519E-03	.098	1.625E-02	2.6630E-05	2.5284E-05	SINTUP	
30	91.64	-0.03	1.52										
31	91.64	-0.03	2.03	2.03	1.19E+02	2.395E-04	2.274E-04	.015	1.633E-02	3.9847E-06	3.7837E-06	SINTON	
32	91.64	-0.03	1.77	2.03	4.87E+02	6.326E-04	6.007E-04	.039	1.640E-02	1.0527E-05	9.9955E-06	SINTON	
33	91.64	-0.03	1.51	2.03	1.13E+03	1.425E-03	1.353E-03	.087	1.640E-02	2.3708E-05	2.2510E-05	SINTON	
34	91.64	-0.03	1.26	2.03	2.04E+03	2.654E-03	2.519E-03	.162	1.640E-02	4.4159E-05	4.1925E-05	SINTON	
35	91.64	-0.03	.99	2.03	1.95E+03	2.537E-03	2.409E-03	.155	1.640E-02	4.2221E-05	4.0083E-05	SINTON	
36	91.64	-0.03	.75	2.03	2.30E+03	3.059E-03	2.914E-03	.187	1.640E-02	5.1072E-05	4.8484E-05	SINTON	
37	91.64	-0.03	.44	2.03	4.44E+03	5.846E-03	5.549E-03	.356	1.640E-02	9.7278E-05	9.2341E-05	SINTON	
38	91.64	-0.03	.27	2.03	1.91E+04	2.363E-02	2.241E-02	1.439	1.640E-02	3.9279E-04	3.7283E-04	SINTON	
39	91.64	-0.03	.13	2.03	4.61E+04	3.403E-02	3.230E-02	2.068	1.646E-02	5.6619E-04	5.3745E-04	SINTON	
40	91.74	-0.03	.89	2.03	3.06E+04	4.033E-02	3.828E-02	2.454	1.643E-02	6.7106E-04	6.3653E-04	SINTON	
41	91.85	.89	0.00	2.03	3.45E+04	4.508E-02	4.279E-02	2.722	1.656E-02	7.5009E-04	7.1202E-04	SINTON	
42	91.94	-0.03	0.00	2.03	3.73E+04	4.878E-02	4.630E-02	2.948	1.655E-02	8.1174E-04	7.7046E-04	SINTON	
43	92.43	-0.03	0.00	2.03	3.64E+04	3.984E-02	3.781E-02	2.365	1.684E-02	6.6295E-04	6.2920E-04	SINTON	
44	92.93	-0.03	0.00	2.03	2.80E+04	3.745E-02	3.555E-02	2.183	1.715E-02	6.2324E-04	5.9151E-04	SINTON	
45	94.22	-0.03	0.00	2.03	2.99E+04	3.912E-02	3.713E-02	2.184	1.792E-02	6.5097E-04	6.1787E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1501), G. BLUMER RSI TILE GAPS RUN# 131 1973

RE/M= 4.332E+06

I/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
56	95.48	-0.00	0.00	2.03	2.81E+04	3.672E-02	3.685L-02	1.955	1.878E-02	6.1101E-04	5.7995E-04	SINTDN
57	98.25	-0.00	0.00	2.03	3.57E+04	4.666E-02	4.629E-02	2.355	1.982E-02	7.7651E-04	7.3704E-04	SINTDN
58	99.29	-0.00	0.00									
59	101.83	-0.00	0.00	2.03	3.85E+04	5.033E-02	4.777E-02	2.880	2.420E-02	8.3746E-04	7.9494E-04	SINTDN
60	104.38	-0.00	0.00	2.03	4.10E+04	5.355E-02	5.083E-02	2.814	2.659E-02	8.9108E-04	8.4507E-04	SINTDN
65	91.57	3.11	2.03	2.03	5.10E+01	6.615E-05	6.281E-05	.004	1.689E-02	1.1398E-06	1.8452E-06	SINTDN
66	91.69	3.11	1.47							4.8217E-06	4.5701E-06	SINTDN
67	91.69	3.11	.98	2.03	2.42E+02	2.898E-04	2.751E-04	.017	1.696E-02	4.8209E-05	4.5768E-05	SINTDN
68	91.69	3.11	.21	2.03	2.22E+03	2.897E-03	2.750E-03	.171	1.696E-02	2.8578E-04	2.7121E-04	SINTDN
69	91.69	3.11	.26	2.03	1.32E+04	1.717E-02	1.630E-02	1.012	1.696E-02			
71	91.69	23.53	3.43							6.8317E-07	6.4894E-07	SINTDN
72	91.69	22.53	3.91							3.4688E-06	3.2756L-06	SINTDN
73	91.69	20.53	2.51							1.9623E-06	1.7607E-06	SINTDN
74	91.69	20.53	2.01							1.1103E-05	1.0628L-05	SINTDN
75	91.69	23.53	1.52	4.06	3.21E+01	4.038E-05	3.828L-05	.002	2.023E-02	4.4287E-05	4.2853E-05	SINTDN
76	91.69	26.53	1.24	4.01	1.62E+02	2.835E-04	1.932E-04	.010	2.023E-02	2.7246E-04	2.5869E-04	SINTDN
77	91.69	20.53	1.00	4.06	8.73E+01	1.099E-04	1.043E-04	.005	2.023E-02	2.7246E-04	2.5869E-04	SINTDN
78	91.69	20.53	.74	4.06	5.23E+02	6.597E-04	6.265E-04	.033	2.023E-02	3.3797E-04	3.7782E-04	SINTDN
79	91.69	20.53	.50	4.06	2.07E+03	2.613E-03	2.481E-03	.129	2.023E-02	5.8174E-04	5.5226E-04	SINTDN
80	91.69	20.53	.24	4.06	1.27E+04	1.607E-02	1.526E-02	.795	2.023E-02	5.3167E-04	5.9958E-04	SINTDN
81	91.74	20.53	.05	4.06	1.85E+04	2.340E-02	2.229E-02	1.159	2.025E-02	6.8754E-04	5.7664E-04	SINTDN
82	91.93	20.53	0.00	4.05	2.70E+04	3.432E-02	3.258E-02	1.688	2.033E-02	6.1888E-04	5.8734E-04	SINTDN
83	92.46	20.53	+.00	4.06	2.93E+04	3.720E-02	3.537E-02	1.813	2.055E-02	6.3629E-04	6.0192E-04	SINTDN
84	92.96	20.53	6.08	4.06	2.81E+04	3.586E-02	3.432E-02	1.726	2.076E-02	6.8718E-04	6.5202E-04	SINTDN
85	94.21	20.53	0.00	4.06	2.86E+04	3.651E-02	3.465E-02	1.716	2.128E-02	6.7629E-04	6.3977E-04	SINTDN
86	95.51	20.53	0.00	4.06	2.93E+04	3.742E-02	3.551E-02	1.708	2.191E-02	7.9418E-04	7.5342E-04	SINTDN
87	96.76	20.53	0.00	4.06	3.17E+04	4.053E-02	3.866E-02	1.791	2.263E-02	9.3953E-04	8.8202E-04	SINTDN
88	99.29	20.53	0.00	4.06	3.18E+04	3.978E-02	3.774E-02	1.651	2.409E-02			
89	101.83	20.53	0.00	4.06	3.64E+04	4.605E-02	4.465E-02	1.818	2.577E-02			
90	104.38	20.53	0.00	4.06	4.27E+04	5.409E-02	5.208E-02	1.992	2.755E-02			

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN(14) 1973 PAGE 17

TT = 1.0931E+03(K) CONF= 2.10
PT = 5.2640E+05(N/M2) GAP = .127 CM
HT = 1.1665E+06(J/KG) STEP = 0.000(CM)
RE/METER= 1.7438E+06
MACH = 5.10
QS = 9.2615E+04(N/M2)
MAN/MT =0.367 FOR HT
MAN/MT =0.378 FOR HL

P/C	X (CM)	YY (CM)	ZZ (CM)	GAP0 (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.744E+06
1	91.57	-20.34	.75	1.02	1.20E+02	1.749E-04	1.658E-04	.023	7.652E-03	8.0509E-06	7.6310E-06	SINTON	
2	91.57	-20.34	.51	1.02	3.59E+02	5.224E-04	4.952E-04	.068	7.652E-03	2.4044E-05	2.2790E-05	SINTON	
3	91.57	-20.34	.28	1.02	1.66E+03	2.421E-03	2.294E-03	.316	7.652E-03	1.1141E-04	1.0560E-04	SINTON	
4	91.57	-20.22	.10	1.02	2.11E+03	3.076E-03	2.916E-03	.403	7.635E-03	1.4154E-04	1.3420E-04	SINTON	
5	91.62	-21.34	.25	1.02	2.54E+03	3.706E-03	3.513E-03	.485	7.643E-03	1.7058E-04	1.6167E-04	SINTON	
6	91.69	-20.22	0.00	1.02	3.01E+03	4.381E-03	4.152E-03	.574	7.628E-03	2.0163E-04	1.9109E-04	SINTON	
7	92.32	-20.34	0.00	1.02	3.61E+03	5.256E-03	4.981E-03	.689	7.627E-03	2.4184E-04	2.2925E-04	SINTON	
8	92.32	-20.34	0.00	1.02	4.62E+03	6.729E-03	6.377E-03	.884	7.611E-03	3.0971E-04	2.9351E-04	SINTON	
9	92.80	-20.34	0.00	1.02	4.51E+03	6.577E-03	6.233E-03	.867	7.586E-03	3.0270E-04	2.8687E-04	SINTON	
10	94.09	-21.34	0.00	1.02	4.38E+03	6.383E-03	6.049E-03	.849	7.517E-03	2.9378E-04	2.7842E-04	SINTON	
11	95.34	-21.34	0.00	1.02	4.59E+03	6.697E-03	6.347E-03	.898	7.461E-03	3.0823E-04	2.9211E-04	SINTON	
12	96.64	-20.34	0.00	1.02	4.78E+03	6.973E-03	6.551E-03	.930	7.435E-03	3.1817E-04	3.0152E-04	SINTON	
13	99.18	-20.34	0.00	1.02	4.47E+03	6.518E-03	6.177E-03	.883	7.384E-03	2.9997E-04	2.8426E-04	SINTON	
14	101.72	-20.34	0.00	1.02	4.29E+03	6.196E-03	5.870E-03	.882	7.023E-03	2.8509E-04	2.7018E-04	SINTON	
15	104.27	-20.23	0.00	1.02	4.59E+03	6.634E-03	6.287E-03	1.018	6.514E-03	3.0532E-04	2.8936E-04	SINTON	
16	91.44	-21.57	1.02	1.02	2.99E+01	4.286E-05	4.063E-05	.006	7.658E-03	1.9728E-06	1.8700E-06	SINTON	
17	91.44	-19.34	1.02										
18	91.57	-19.34	.76	1.02	3.63E+01	5.283E-05	5.007E-05	.007	7.571E-03	2.4313E-06	2.3045E-06	SINTON	
19	91.57	-19.34	.51	1.02	2.69E+02	3.902E-04	3.698E-04	.052	7.571E-03	1.7957E-05	1.7020E-05	SINTON	
20	91.57	-19.34	.25	1.02	1.56E+03	2.266E-03	2.148E-03	.299	7.571E-03	1.0438E-04	9.8859E-05	SINTON	
													RE/M= 1.685E+06
61	91.44	3.11	.76	2.03	1.49E+03	2.007E-03	1.905E-03	.285	7.034E-03	9.5842E-05	9.0937E-05	SINTUP	
62	91.44	3.11	.51	2.03	1.41E+02	1.905E-04	1.808E-04	.027	7.034E-03	9.0973E-06	8.6319E-06	SINTUP	
63	91.44	3.11	.28	2.03	5.52E+01	7.441E-05	7.061E-05	.011	7.034E-03	3.5530E-06	3.3714E-06	SINTUP	
64	91.44	3.11	1.27	2.03	2.29E+02	3.077E-04	2.920E-04	.044	7.034E-03	1.4694E-05	1.3943E-05	SINTUP	
26	91.44	-0.03	.28										
27	91.44	-0.03	.75										
28	91.44	-0.03	.49										
29	91.44	-0.03	1.22										
30	91.44	-0.03	1.52										
31	91.44	-0.03	2.13	2.03	2.46E+01	3.321E-05	3.151E-05	.005	6.997E-03	1.5855E-06	1.5046E-06	SINTON	
32	91.57	-0.03	1.77										
33	91.57	-0.03	1.51										
34	91.57	-0.03	1.22	2.03	2.27E+02	3.055E-04	2.899E-04	.044	6.991E-03	1.4588E-05	1.3842E-05	SINTON	
35	91.57	-0.03	.49	2.03	3.09E+01	4.163E-05	3.950E-05	.006	6.991E-03	1.9876E-06	1.8860E-06	SINTON	
36	91.57	-0.03	.75	2.03	1.14E+02	1.535E-04	1.460E-04	.022	6.991E-03	7.3443E-06	6.9689E-06	SINTON	
37	91.57	-0.03	.48	2.03	5.63E+02	7.559E-04	7.164E-04	.108	6.991E-03	3.6051E-05	3.4207E-05	SINTON	
38	91.57	-0.03	.97	2.03	2.02E+03	2.732E-03	2.592E-03	.391	6.991E-03	1.3045E-04	1.2378E-04	SINTON	
39	91.57	.12	.13	2.03	3.22E+03	4.341E-03	4.119E-03	.621	6.993E-03	2.0726E-04	1.9666E-04	SINTON	
40	91.42	-0.03	.76	2.03	3.75E+03	5.069E-03	4.816E-03	.725	6.989E-03	2.4205E-04	2.2966E-04	SINTON	
41	91.73	.37	0.00	2.03	4.24E+03	5.720E-03	5.427E-03	.819	6.985E-03	2.7310E-04	2.5912E-04	SINTON	
42	91.41	-0.10	0.00	2.03	4.83E+03	6.530E-03	6.196E-03	.936	6.979E-03	3.1179E-04	2.9582E-04	SINTON	
43	92.35	-0.30	0.00	2.03	5.10E+03	6.972E-03	6.615E-03	1.002	6.955E-03	3.3290E-04	3.1585E-04	SINTON	
44	92.82	-0.30	0.00	2.03	4.90E+03	6.682E-03	6.292E-03	.957	6.931E-03	3.1664E-04	3.0041E-04	SINTON	
45	94.09	-0.30	0.00	2.03	4.90E+03	6.567E-03	6.231E-03	.956	6.870E-03	3.1357E-04	2.9751E-04	SINTON	
46	95.35	-0.30	0.00	2.03	4.34E+03	5.819E-03	5.521E-03	.853	6.824E-03	2.7785E-04	2.6362E-04	SINTON	
47	96.62	-0.30	0.00	2.03	4.93E+03	6.663E-03	6.322E-03	.978	6.814E-03	3.1815E-04	3.0186E-04	SINTON	
48	99.17	-0.30	0.00										
49	101.70	-0.30	0.00	2.03	4.63E+03	6.264E-03	5.943E-03	.938	6.677E-03	2.9908E-04	2.8376E-04	SINTON	
1	104.25	-0.30	0.00	2.03	4.71E+03	6.367E-03	6.041E-03	.978	6.513E-03	3.0399E-04	2.8843E-04	SINTON	
65	91.44	3.11	2.03										

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSE TILE GAPS RUN(14) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
66	91.57	3.11	1.47	2.03	5.71E+00	7.708E-06	7.314E-06	.001	7.028E-03	3.6881E-07	3.4920E-07	SINTON
67	91.57	3.11	.99	2.03	1.63E+01	2.194E-06	2.082E-06	.000	7.028E-03	1.0476E-07	9.9488E-08	SINTON
68	91.57	3.11	.51	2.03	3.21E+02	4.336E-04	4.114E-04	.062	7.028E-03	2.0701E-05	1.9642E-05	SINTON
69	91.57	3.11	.26	2.03	1.75E+03	2.364E-03	2.243E-03	.336	7.028E-03	1.1288E-04	1.8710E-04	SINTON
											RE/M=	1.555E+08
71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51									
74	91.57	20.53	2.01									
75	91.57	20.53	1.52									
76	91.57	20.53	1.24									
77	91.57	20.53	1.00									
78	91.57	20.53	.74	4.06	7.59E+00	9.979E-06	9.471E-06	.001	7.837E-03	4.6325E-07	4.5865E-07	SINTON
79	91.57	20.53	.50	4.06	3.48E+02	4.596E-04	4.352E-04	.059	7.837E-03	2.2209E-05	2.1078E-05	SINTON
80	91.57	20.53	.24	4.06	1.73E+03	2.276E-03	2.168E-03	.290	7.837E-03	1.1021E-04	1.0459E-04	SINTON
81	91.62	20.53	.05	4.06	2.54E+03	3.344E-03	3.178E-03	.427	7.835E-03	1.6217E-04	1.5398E-04	SINTON
82	91.83	20.53	0.00	4.06	3.64E+03	4.808E-03	4.603E-03	.614	7.828E-03	2.3287E-04	2.2098E-04	SINTON
8	92.33	20.53	0.00	4.06	4.47E+03	5.904E-03	5.603E-03	.756	7.806E-03	2.8594E-04	2.7133E-04	SINTON
84	92.83	20.53	0.00	4.06	4.64E+03	6.131E-03	5.817E-03	.787	7.786E-03	2.9690E-04	2.8172E-04	SINTON
85	94.08	20.53	0.00	4.06	4.84E+03	6.368E-03	6.073E-03	.821	7.736E-03	3.0742E-04	2.9179E-04	SINTON
86	95.38	20.53	0.00	4.06	4.90E+03	6.351E-03	6.026E-03	.827	7.683E-03	3.0757E-04	2.9184E-04	SINTON
87	96.64	20.53	0.00	4.06	4.22E+03	5.582E-03	5.296E-03	.732	7.627E-03	2.7833E-04	2.5658E-04	SINTON
88	99.17	20.53	0.00	4.06	4.19E+03	5.627E-03	5.328E-03	.775	7.516E-03	2.8219E-04	2.6773E-04	SINTON
89	101.70	20.53	0.00	4.06	4.88E+03	6.466E-03	6.134E-03	.876	7.384E-03	3.1313E-04	2.9788E-04	SINTON
90	104.25	20.53	0.00	4.06	4.64E+03	6.150E-03	5.835E-03	.849	7.242E-03	2.9786E-04	2.8259E-04	SINTON

...MES 3.5 FT WIND TUNNEL TEST(1 8). C. BLUMER RSI TILE GAPS RUN1 16) 1973 PAGE 19

TT = 1.1[illegible]92E+03(K) CONF= 2.10
PT = 9.32[illegible]E+05(N/M2) GAP = .127 CM
HT = 1.171[illegible]E+07(J/KG) STEP = 0.000(CM)
RE/METER= 2.[illegible]74E+07
MAT = 5.10
QQ = 1.0799E+05(W/M2)
MAW/HT =0.[illegible]7 FOR HT
MAW/HT =0.[illegible]% FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPS (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.874E+06
1	91.57	-2[illegible].54	.75	1.02	6.40E+01	9.533E-05	9.053E-05	.011	9.008E-03	2.8141E-06	2.6708E-06	SINTON	
2	91.57	-2[illegible].54	.51	1.02	5.42E+02	7.344E-04	6.969E-04	.082	9.008E-03	2.1665E-05	2.0560E-05	SINTON	
3	91.57	-2[illegible].54	.28	1.02	2.49E+03	3.602E-03	3.418E-03	.400	9.008E-03	1.0627E-04	1.0085E-04	SINTON	
4	91.57	-2[illegible].27	.10	1.02	3.69E+03	4.252E-03	4.035E-03	.473	8.994E-03	1.2545E-04	1.1905E-04	SINTON	
5	91.52	-2[illegible].54	.05	1.02	3.69E+03	5.153E-03	4.887E-03	.572	9.006E-03	1.5193E-04	1.4417E-04	SINTON	
6	91.63	-27.22	0.10	1.02	3.95E+03	5.516E-03	5.234E-03	.613	8.994E-03	1.6272E-04	1.5441E-04	SINTON	
7	92.32	-2[illegible].54	0.10	1.02	4.86E+03	6.784E-03	6.437E-03	.754	8.993E-03	2.0014E-04	1.8991E-04	SINTON	
8	92.32	-27.54	0.00	1.02	6.74E+03	9.415E-03	8.933E-03	1.048	8.984E-03	2.7774E-04	2.6353E-04	SINTON	
9	92.90	-2[illegible].54	0.00	1.02	6.76E+03	9.441E-03	8.958E-03	1.053	8.969E-03	2.7852E-04	2.6426E-04	SINTON	
10	94.03	-2[illegible].54	0.00	1.02	6.40E+03	8.937E-03	8.480E-03	1.001	8.927E-03	2.6366E-04	2.5017E-04	SINTON	
11	95.34	-2[illegible].54	0.00	1.02	7.03E+03	9.829E-03	9.325E-03	1.102	8.922E-03	2.8993E-04	2.7509E-04	SINTON	
12	95.54	-2[illegible].54	0.00	1.02	7.47E+03	1.039E-02	9.855E-03	1.153	9.012E-03	3.0642E-04	2.9073E-04	SINTON	
13	99.18	-2[illegible].54	0.00	1.02	7.39E+03	1.033E-02	9.798E-03	1.124	9.188E-03	3.0465E-04	2.8935E-04	SINTON	
14	168.72	-2[illegible].54	0.00	1.02	7.58E+03	1.059E-02	1.005E-02	1.157	9.150E-03	3.1240E-04	2.9642E-04	SINTON	
15	104.27	-2[illegible].53	0.00	1.02	9.11E+03	1.270E-02	1.206E-02	1.410	9.012E-03	3.7481E-04	3.5566E-04	SINTON	
16	91.44	-29.53	1.02										
17	91.44	-19.44	1.02	1.02	8.25E+00	1.145E-05	1.087E-05	.001	8.363E-03	3.3791E-07	3.2063E-07	SINTON	
18	91.57	-14.94	.76	1.02	6.37E+01	8.850E-05	8.399E-05	.010	8.961E-03	2.6109E-06	2.4779E-06	SINTON	
19	91.57	-14.44	.51	1.02	3.90E+02	5.426E-04	5.150E-04	.061	8.961E-03	1.6008E-05	1.5192E-05	SINTON	
20	91.57	-19.44	.28	1.02	2.48E+03	3.344E-03	3.174E-03	.373	8.961E-03	9.8657E-05	9.3624E-05	SINTON	
													RE/M= 2.824E+06
61	91.44	7.11	.76	2.03	1.63E+03	2.230E-03	2.118E-03	.257	8.678E-03	6.7518E-05	6.4118E-05	SINTUP	
62	91.44	7.11	.51	2.03	2.45E+02	3.238E-04	3.075E-04	.037	8.678E-03	9.8014E-06	9.3082E-06	SINTUP	
63	91.44	7.11	.28	2.03	1.90E+02	2.592E-04	2.462E-04	.030	8.678E-03	7.8479E-06	7.4535E-06	SINTUP	
64	91.44	7.11	1.47	2.03	2.43E+02	3.204E-04	3.043E-04	.037	8.678E-03	9.6998E-06	9.2125E-06	SINTUP	
26	91.44	-[illegible].03	.64										
27	91.44	-[illegible].01	.76										
28	91.44	-[illegible].04	.64										
29	91.44	-[illegible].[illegible]	1.22										
30	91.44	-[illegible].[illegible]	1.52										
31	91.44	-[illegible].[illegible]	2.03	2.03	5.40E+01	7.039E-05	7.256E-05	.009	8.588E-03	2.3126E-06	2.1966E-06	SINTUN	
32	91.57	-[illegible].[illegible]	1.77	2.03	5.04E+00	6.699E-05	6.363E-06	.001	8.599E-03	2.0281E-07	1.9263E-07	SINTUN	
33	91.57	-[illegible].[illegible]	1.51	2.03	5.42E+00	7.149E-06	6.789E-06	.001	8.599E-03	2.1638E-07	2.0552E-07	SINTUN	
34	91.57	-[illegible].[illegible]	1.22	2.03	2.08E+02	2.646E-04	2.513E-04	.031	8.599E-03	8.0093E-06	7.6068E-06	SINTUN	
35	91.57	-[illegible].[illegible]	.98										
36	91.57	-[illegible].[illegible]	.75	2.03	2.73E+02	3.565E-04	3.386E-04	.041	8.593E-03	1.0795E-05	1.0252E-05	SINTUN	
37	91.57	-[illegible].[illegible]	.49	2.03	8.47E+02	1.120E-03	1.064E-03	.130	8.593E-03	3.3909E-05	3.2201E-05	SINTUN	
38	91.57	-[illegible].[illegible]	.27	2.03	3.00E+03	4.053E-03	3.849E-03	.471	8.593E-03	1.2270E-04	1.1652E-04	SINTUN	
39	91.57	.22	.18	2.03	4.41E+03	5.836E-03	5.542E-03	.679	8.607E-03	1.7667E-04	1.6777E-04	SINTUN	
40	91.62	-[illegible].[illegible]	.05	2.03	5.21E+03	6.901E-03	6.553E-03	.802	8.603E-03	2.0891E-04	1.9838E-04	SINTUN	
41	91.73	.32	[illegible].[illegible]	2.03	5.49E+03	7.510E-03	7.132E-03	.871	8.621E-03	2.2735E-04	2.1589E-04	SINTUN	
42	91.91	-[illegible].[illegible]	[illegible].[illegible]	2.03	6.07E+03	8.[illegible]2E-03	8.396E-03	1.026	8.613E-03	2.6767E-04	2.5416E-04	SINTUN	
43	92.[illegible]	-[illegible].[illegible]	[illegible].[illegible]	2.03	6.92E+03	9.142E-03	8.718E-03	1.060	8.662E-03	2.7795E-04	2.6391E-04	SINTUN	
44	92.47	-[illegible].[illegible]	[illegible].[illegible]	2.03	6.54E+03	8.727E-03	8.296E-03	1.002	8.706E-03	2.6418E-04	2.5094E-04	SINTUN	
45	94.[illegible]	-[illegible].[illegible]	[illegible].[illegible]	2.03	6.59E+03	8.844E-03	8.398E-03	1.003	8.815E-03	2.6772E-04	2.5423E-04	SINTUN	
46	96.[illegible]	-[illegible].[illegible]	[illegible].[illegible]	2.03	5.93E+03	7.863E-03	7.463E-03	.883	8.928E-03	2.3794E-04	2.2593E-04	SINTUN	
47	98.[illegible]	-[illegible].[illegible]	[illegible].[illegible]	2.03	6.49E+03	9.114E-03	8.655E-03	1.007	9.056E-03	2.7601E-04	2.6208E-04	SINTUN	
48	99.17	-[illegible].[illegible]	[illegible].[illegible]	2.03	6.41E+03	9.012E-03	8.557E-03	.988	9.112E-03	2.7280E-04	2.5905E-04	SINTUN	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(16) 1973 PAGE 28

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
49	101.75	-0.00	0.00	2.03	7.06E+03	9.350E-03	8.878E-03	.977	9.573E-03	2.8303E-04	2.6876E-04	SINTON
50	104.25	-0.00	0.00	2.03	7.67E+03	1.016E-02	9.647E-03	1.033	9.836E-03	3.0753E-04	2.9203E-04	SINTON
65	9.[illegible]	3.11	2.03									
66	91.57	3.11	1.47									
67	91.57	3.11	.99	2.03	4.18E+01	5.508E-05	5.232E-05	.006	8.690E-03	1.6675E-06	1.5837E-06	SINTON
68	91.57	3.11	.51	2.03	2.99E+02	3.950E-04	3.752E-04	.045	8.690E-03	1.1959E-05	1.1357E-05	SINTON
69	91.57	3.11	.26	2.03	2.00E+03	2.649E-03	2.516E-03	.305	8.698E-03	8.0282E-05	7.6163E-05	SINTON
											RE/M=	2.427E+06
71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51									
74	91.57	20.53	2.01									
75	91.57	20.53	1.52									
76	91.57	20.53	1.24									
77	91.57	20.53	1.00									
78	91.57	20.53	.74									
79	91.57	20.53	.50	4.06	4.27E+02	5.465E-04	5.192E-04	.059	9.208E-03	1.6838E-05	1.5996E-05	SINTON
80	91.57	20.53	.24	4.06	2.13E+03	2.726E-03	2.590E-03	.296	9.208E-03	8.3994E-05	7.9789E-05	SINTON
81	91.62	20.53	.05	4.06	3.32E+03	4.264E-03	4.051E-03	.463	9.210E-03	1.3139E-04	1.2480E-04	SINTON
82	91.90	20.53	0.00	4.06	4.89E+03	6.286E-03	5.970E-03	.682	9.219E-03	1.9368E-04	1.8396E-04	SINTON
83	92.13	20.53	0.00	4.06	6.04E+03	7.758E-03	7.369E-03	.839	9.245E-03	2.3903E-04	2.2704E-04	SINTON
84	92.41	20.53	0.00	4.06	6.21E+03	8.004E-03	7.601E-03	.864	9.269E-03	2.4660E-04	2.3419E-04	SINTON
85	94.08	20.53	0.00	4.06	6.35E+03	8.197E-03	7.784E-03	.879	9.329E-03	2.5257E-04	2.3984E-04	SINTON
86	95.38	20.53	0.00	4.06	6.32E+03	8.164E-03	7.753E-03	.870	9.384E-03	2.5156E-04	2.3887E-04	SINTON
87	96.64	20.53	0.00	4.06	6.10E+03	7.888E-03	7.490E-03	.838	9.419E-03	2.4305E-04	2.3079E-04	SINTON
88	99.17	20.53	0.00	4.06	6.61E+03	8.550E-03	8.125E-03	.902	9.490E-03	2.6368E-04	2.5035E-04	SINTON
89	101.70	20.53	0.00	4.06	6.85E+03	8.872E-03	8.423E-03	.911	9.735E-03	2.7334E-04	2.5952E-04	SINTON
90	104.25	20.53	0.00	4.06	7.05E+03	9.138E-03	8.676E-03	.988	1.007E-02	2.8157E-04	2.6733E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(17) 1973 PAGE 21

TT = 1.0[illegible]E+03(K) CONF= 2.10
PT = 1.1727E+05(N/M2) GAP = .127 CM
HT = 1.14[illegible]E+07(J/KG) STEP = 0.000(CM)
RE/MFTE+= 3.90[illegible]E+06
MACH = 7.10
QS = 1.23[illegible]E+05(W/M2)
HAW/HT =0.307 FOR HT
HAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	3.987E+06
1	91.57	-20.34	.75	1.02	1.34E+02	1.994E-04	1.891E-04	.010	1.255E-02	4.1090E-06	3.8967E-06	SINTON	
2	91.57	-20.34	.51	1.02	8.04E+02	1.104E-03	1.103E-03	.093	1.255E-02	2.3982E-05	2.2740E-05	SINTON	
3	91.57	-20.34	.28	1.02	3.37E+03	4.883E-03	4.630E-03	.389	1.255E-02	1.0063E-04	9.5414E-05	SINTON	
4	91.57	-20.32	.10	1.02	3.93E+03	5.700E-03	5.404E-03	.454	1.255E-02	1.1746E-04	1.1137E-04	SINTON	
5	91.62	-20.34	.05	1.02	4.67E+03	6.772E-03	6.421E-03	.539	1.256E-02	1.3957E-04	1.3233E-04	SINTON	
6	91.69	-20.32	0.00	1.02	4.81E+03	6.984E-03	6.621E-03	.556	1.256E-02	1.4392E-04	1.3645E-04	SINTON	
7	92.32	-20.54	0.00	1.02	6.02E+03	8.745E-03	8.291E-03	.695	1.259E-02	1.8023E-04	1.7086E-04	SINTON	
8	92.32	-20.34	0.00	1.02	6.30E+03	1.248E-02	1.183E-02	.990	1.261E-02	2.5721E-04	2.4383E-04	SINTON	
9	92.80	-20.34	0.00	1.02	6.30E+03	1.247E-02	1.182E-02	.986	1.265E-02	2.5698E-04	2.4360E-04	SINTON	
10	94.03	-20.34	0.00	1.02	8.24E+03	1.199E-02	1.137E-02	.940	1.275E-02	2.4715E-04	2.3428E-04	SINTON	
11	95.74	-20.34	0.00	1.02	9.23E+03	1.343E-02	1.274E-02	1.033	1.300E-02	2.7686E-04	2.6245E-04	SINTON	
12	95.64	-20.34	0.00	1.02	9.89E+03	1.441E-02	1.366E-02	1.053	1.368E-02	2.9688E-04	2.8143E-04	SINTON	
13	94.19	-20.34	0.00	1.02	9.93E+03	1.446E-02	1.371E-02	.964	1.499E-02	2.9794E-04	2.8244E-04	SINTON	
14	114.72	-20.34	0.00	1.02	1.02E+04	1.484E-02	1.407E-02	.900	1.650E-02	3.0587E-04	2.8996E-04	SINTON	
15	114.27	-20.34	0.00	1.02	1.23E+04	1.792E-02	1.699E-02	.991	1.809E-02	3.6937E-04	3.5019E-04	SINTON	
16	91.44	-20.34	1.32										
17	91.44	-18.44	1.32										
18	91.57	-18.44	.76	1.02	9.95E+01	1.438E-04	1.363E-04	.011	1.253E-02	2.9626E-06	2.8095E-06	SINTON	
19	91.57	-18.34	.51	1.02	6.21E+02	8.985E-04	8.520E-04	.072	1.253E-02	1.8516E-05	1.7559E-05	SINTON	
20	91.57	-18.44	.25	1.02	3.15E+03	4.555E-03	4.320E-03	.364	1.253E-02	9.3880E-05	8.9020E-05	SINTON	
												RE/M=	3.695E+06
61	91.44	3.11	.25	2.03	1.97E+03	2.708E-03	2.569E-03	.210	1.292E-02	5.7189E-05	5.4266E-05	SINTUP	
62	91.44	3.11	.51	2.03	3.22E+02	4.432E-04	4.205E-04	.034	1.292E-02	9.3597E-06	8.8819E-06	SINTUP	
63	91.44	3.11	.38	2.03	9.84E+01	1.352E-04	1.283E-04	.010	1.292E-02	2.8545E-06	2.7098E-06	SINTUP	
64	91.44	3.11	1.47	2.03	3.09E+02	4.242E-04	4.026E-04	.033	1.292E-02	8.9594E-06	8.5027E-06	SINTUP	
26	91.44	-0.01	.63										
27	91.44	-0.01	.75										
28	91.44	-0.01	.63										
29	91.44	-0.01	1.22	2.03	8.17E+01	1.122E-04	1.064E-04	.009	1.257E-02	2.3887E-06	2.2681E-06	SINTUP	
30	91.44	-0.01	1.52										
31	91.44	-3.01	2.03	2.03	1.36E+01	1.778E-05	1.687E-05	.001	1.257E-02	3.7545E-07	3.5636E-07	SINTON	
32	91.57	-0.03	1.77	2.03	1.65E+02	2.320E-04	2.199E-04	.018	1.262E-02	4.9009E-06	4.6449E-06	SINTON	
33	91.57	-0.03	1.51	2.03	3.67E+01	5.037E-05	4.781E-05	.004	1.262E-02	1.0639E-06	1.0098E-06	SINTON	
34	91.57	-0.03	1.22	2.03	3.95E+02	5.430E-04	5.153E-04	.043	1.262E-02	1.1468E-05	1.0884E-05	SINTON	
35	91.57	-0.03	.99	2.03	6.26E+01	8.623E-05	8.183E-05	.007	1.262E-02	1.8212E-06	1.7283E-06	SINTON	
36	91.57	-1.03	.75	2.03	2.33E+02	3.211E-04	3.047E-04	.025	1.262E-02	6.7826E-06	6.4308E-06	SINTON	
37	91.57	-1.03	.63	2.03	1.05E+03	1.443E-03	1.369E-03	.114	1.262E-02	3.0473E-05	2.8916E-05	SINTON	
38	91.57	-1.03	.27	2.03	3.71E+03	5.107E-03	4.848E-03	.405	1.262E-02	1.0792E-04	1.0240E-04	SINTON	
39	91.57	-.87	.13	2.03	4.10E+03	5.736E-03	5.443E-03	.453	1.265E-02	1.2110E-04	1.1496E-04	SINTON	
40	91.57	-0.03	.15	2.03	4.73E+03	6.604E-03	6.266E-03	.522	1.264E-02	1.3947E-04	1.3233E-04	SINTON	
41	91.73	-.87	0.00	2.03	5.12E+03	7.053E-03	6.693E-03	.555	1.272E-02	1.4897E-04	1.4136E-04	SINTON	
42	91.91	-0.03	0.00	2.03	5.27E+03	7.649E-03	8.206E-03	.680	1.271E-02	1.8267E-04	1.7332E-04	SINTON	
43	92.32	-0.03	0.00	2.03	7.11E+03	9.816E-03	9.313E-03	.760	1.291E-02	2.0732E-04	1.9670E-04	SINTON	
44	92.82	-0.03	0.00	2.03	8.60E+03	9.124E-03	8.656E-03	.696	1.311E-02	1.9270E-04	1.8283E-04	SINTON	
45	94.19	-0.03	0.00	2.03	8.44E+03	9.535E-03	9.052E-03	.701	1.361E-02	2.0140E-04	1.9118E-04	SINTON	
46	95.33	-0.03	0.00	2.03	9.73E+03	7.856E-03	7.463E-03	.555	1.416E-02	1.6613E-04	1.5762E-04	SINTON	
47	96.69	-0.03	0.00	2.03	8.69E+03	9.227E-03	8.755E-03	.621	1.487E-02	1.9489E-04	1.8491E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1568), G. BLUMER RSI TILE GAPS RUN# 17) 1973 PAGE 22

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
58	99.17	-0.33	0.00	2.03	1.31E+03	1.81#E-03	1.720E-03	.111	1.629E-02	3.8305E-05	3.6335E-05	SINTON
59	141.70	-0.33	0.00	2.03	6.43E+03	8.869E-03	8.415E-03	.496	1.789E-02	1.8731E-04	1.7773E-04	SINTON
50	184.25	-0.33	0.00	2.03	6.72E+03	9.262E-03	8.788E-03	.473	1.959E-02	1.9562E-04	1.8561E-04	SINTON
65	91.##	3.11	2.03									
66	91.57	3.11	1.47	2.03	1.42E+01	1.342E-05	1.043E-05	.001	1.297E-02	4.1021E-07	3.8934E-07	SINTON
67	91.57	3.11	.99									
68	91.57	3.11	.51	2.03	6.28E+02	8.636E-04	8.195E-04	.067	1.297E-02	1.8240E-05	1.7310E-05	SINTON
69	91.57	3.11	.26									

Re/M= 3.553E+06

71	91.57	2#.##	3.##									
72	91.57	2#.##	3.##									
73	91.57	2#.##	2.##									
74	91.57	2#.##	2.31									
75	91.57	2#.##	1.#2									
76	91.57	2#.##	1.74									
77	91.57	2#.##	1.03									
78	91.57	2#.##	.74	#.06	3.0##E+01	3.997E-05	3.794E-05	.003	1.515E-02	8.5910E-07	8.1555E-07	SINTON
79	91.57	2#.##	.60	#.06	#.0##E+02	5.387E-04	5.113E-04	.036	1.515E-02	1.1578E-05	1.0931E-05	SINTON
80	91.57	2#.##	.74	#.06	2.3#E+03	3.065E-03	2.909E-03	.202	1.515E-02	6.5865E-05	6.2536E-05	SINTON
81	91.57	2#.##	.45	#.06	3.##E+03	4.874E-03	4.626E-03	.321	1.517E-02	1.0477E-04	9.9437E-05	SINTON
82	91.##	2#.##	#.##	#.06	5.39E+03	7.272E-03	6.854E-03	.474	1.523E-02	1.5523E-04	1.4731E-04	SINTON
83	92.##	2#.##	#.##	#.06	6.43E+03	8.619E-03	8.180E-03	.560	1.539E-02	1.8526E-04	1.7582E-04	SINTON
84	92.##	2#.##	#.##	#.06	6.31E+03	8.494E-03	8.059E-03	.546	1.555E-02	1.8256E-04	1.7322E-04	SINTON
85	96.##	2#.##	0.00	#.06	6.33E+03	8.531E-03	8.093E-03	.535	1.594E-02	1.8306E-04	1.7396E-04	SINTON
86	95.##	2#.##	0.00	#.06	6.29E+03	8.481E-03	8.046E-03	.518	1.637E-02	1.8229E-04	1.7295E-04	SINTON
87	96.##	2#.##	0.00	#.06	6.47E+03	8.722E-03	8.274E-03	.51#	1.682E-02	1.8746E-04	1.7784E-04	SINTON
88	39.17	2#.##	0.00	#.06	5.77E+03	7.799E-03	7.398E-03	.440	1.772E-02	1.6764E-04	1.5902E-04	SINTON
89	141.70	2#.##	0.00	#.06	6.89E+03	9.344E-03	8.862E-03	.491	1.902E-02	2.0084E-04	1.9049E-04	SINTON
90	184.25	2#.##	0.00	#.06	7.29E+03	9.878E-03	9.369E-03	.481	2.054E-02	2.1232E-04	2.0138E-04	SINTON

PAGE 23

T/G	X (CM)	RN (CM)	M	GAMS	P (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MEFF	MPEFF (KG/M2-S)	STL	STT	GAP-TYPE	
													KE/M= 4.925E+06
1	91.937	+2.041E	.75	1.402	1.476E+02	2.067E-04	1.495E-04	.013	1.575E-02	3.318E-06	3.147E-06	SINTOM	
2	91.837	+2.041E	.81	1.402	1.825E+02	1.777E-03	1.684E-03	.113	1.575E-02	2.965E-05	2.669E-05	SINTOM	
3	91.837	+2.041E	.84	1.402	2.111E+02	1.139E-02	1.098E-02	.727	1.575E-02	1.803E-04	1.743E-04	SINTOM	
4	91.837	+2.041E	.91	1.402	1.422E+03	1.703E-02	1.615E-02	1.040	1.577E-02	2.733E-04	2.592E-04	SINTOM	
5	91.837	+2.041E	.95	1.402	1.945E+03	2.608E-02	2.467E-02	1.550	1.576E-02	4.175E-04	3.953E-04	SINTOM	
6	91.837	+2.041E	.97	1.402	2.232E+03	3.224E-02	3.057E-02	2.049	1.577E-02	5.191E-04	4.923E-04	SINTOM	
7	91.837	+2.041E	.98	1.402	2.405E+03	3.771E-02	3.576E-02	2.386	1.581E-02	6.054E-04	5.741E-04	SINTOM	
8	91.837	+2.041E	.99	1.402	2.507E+03	4.356E-02	4.126E-02	2.746	1.586E-02	6.821E-04	6.462E-04	SINTOM	
9	91.837	+2.041E	.99	1.402	2.566E+03	4.385E-02	4.113E-02	2.746	1.590E-02	7.007E-04	6.644E-04	SINTOM	
10	91.837	+2.041E	.99	1.402	3.063E+03	4.297E-02	4.075E-02	2.679	1.594E-02	6.890E-04	6.541E-04	SINTOM	
11	91.837	+2.041E	.99	1.402	3.552E+03	5.645E-02	4.784E-02	3.059	1.649E-02	8.099E-04	7.679E-04	SINTOM	
12	91.837	+2.041E	.99	1.402	3.876E+03	4.956E-02	4.699E-02	2.788	1.703E-02	7.965E-04	7.540E-04	SINTOM	
13	91.837	+2.041E	.99	1.402	3.748E+03	5.360E-02	5.082E-02	2.623	2.034E-02	8.615E-04	8.159E-04	SINTOM	
14	91.837	+2.041E	.99	1.402	3.993E+03	4.965E-02	4.669E-02	2.115	2.333E-02	7.933E-04	7.527E-04	SINTOM	
15	91.837	+2.041E	.99	1.402	4.032E+03	5.684E-02	5.391E-02	2.446	2.664E-02	9.126E-04	8.654E-04	SINTOM	
16	91.844	+2.041E	.72	1.402									
17	91.844	+1.941E	.82	1.402	2.037E+02	2.913E-04	2.763E-04	.018	1.583E-02	4.676E-06	4.430E-06	SINTON	
18	91.857	+1.941E	.86	1.402	1.114E+03	1.355E-03	1.476E-03	.098	1.583E-02	2.498E-05	2.369E-05	SINTON	
19	91.857	+1.941E	.91	1.402	1.111E+03	1.141E-02	1.084E-02	.722	1.583E-02	1.835E-04	1.740E-04	SINTON	
20	91.857	+1.941E	.95	1.402	8.111E+03	1.141E-02	1.084E-02	.722	1.583E-02	1.835E-04	1.740E-04	SINTON	
													RE/M= 4.627E+06
61	91.844	3.11	.75	2.03	5.463E+03	7.249E-03	6.881E-03	.417	1.737E-02	1.196E-04	1.135E-04	SINTUP	
62	91.844	3.11	.81	2.03	9.145E+02	1.219E-03	1.156E-03	.070	1.737E-02	2.011E-05	1.908E-05	SINTUP	
63	91.844	3.11	.89										
64	91.844	3.11	1.07	2.03	6.69E+02	8.934E-04	8.453E-04	.051	1.737E-02	1.469E-05	1.393E-05	SINTUP	
65	91.844		.99										
66	91.844		.75										
67	91.844		.99										
68	91.844		1.22	2.03	2.134E+02	3.051E-04	2.936E-04	.018	1.673E-02	5.052E-06	4.797E-06	SINTUP	
69	91.844	-8.11	1.22										
70	91.844	-8.11	1.22	2.03	1.026E+01	2.145E-05	2.037E-05	.001	1.679E-02	3.541E-07	3.362E-07	SINTON	
71	91.844	-8.11	1.27										
72	91.844	-8.11	1.51	2.03	7.222E+01	9.591E-05	9.106E-05	.006	1.587E-02	1.583E-06	1.503E-06	SINTON	
73	91.844	-8.11	1.22										
74	91.844	-8.11	.99	2.03	5.316E+02	7.933E-04	6.733E-04	.042	1.697E-02	1.117E-05	1.111E-05	SINTUM	
75	91.844	-8.11	.75	2.03	1.111E+03	1.478E-03	1.403E-03	.088	1.687E-02	2.438E-05	2.315E-05	SINTUM	
76	91.844	-8.11	.81	2.03	1.916E+03	2.823E-03	4.032E-03	.251	1.687E-02	6.395E-05	6.033E-05	SINTON	
77	91.844	-8.11	.86	2.03	1.313E+04	1.947E-02	1.753E-02	1.095	1.687E-02	3.049E-04	2.894E-04	SINTON	
78	91.844	-8.11	.91	2.03	2.266E+04	2.750E-02	2.511E-02	1.525	1.692E-02	4.539E-04	4.303E-04	SINTUM	
79	91.844	-8.11	.95	2.03	2.551E+04	3.391E-02	3.209E-02	2.001	1.694E-02	5.561E-04	5.296E-04	SINTUM	
80	91.844	-8.11	.97	2.03	3.04E+04	4.03E-02	3.845E-02	2.354	1.703E-02	6.615E-04	6.279E-04	SINTUM	
81	91.844	-8.11	.98	2.03	3.33E+04	4.21E-02	4.021E-02	2.462	1.710E-02	6.932E-04	6.582E-04	SINTON	
82	91.844	-8.11	.99	2.03	2.55E+04	3.83E-02	3.639E-02	2.212	1.733E-02	6.320E-04	6.046E-04	SINTON	
83	91.844	-8.11	.99	2.03	2.87E+04	3.67E-02	3.488E-02	2.079	1.766E-02	6.060E-04	5.751E-04	SINTON	
84	91.844	-8.11	.99	2.03	2.93E+04	3.99E-02	3.691E-02	2.106	1.846E-02	6.941E-04	6.092E-04	SINTON	
85	91.844	-8.11	.99	2.03	2.99E+04	3.86E-02	3.642E-02	1.854	1.933E-02	5.940E-04	5.645E-04	SINTON	
86	91.844	-8.11	.99	2.03	3.05E+04	4.01E-02	3.376E-02	2.258	2.042E-02	7.610E-04	7.222E-04	SINTON	
87	91.844	-8.11	.99	2.03	2.61E+04	4.03E-02	4.534E-02	1.934	2.498E-02	7.973E-04	7.567E-04	SINTON	

64	184.25	-0.03	0.00	2.03	3.94E+04	5.266E-02	4.998E-02	1.916	2.748E-02	8.6914E-04	8.2493E-04	SINTON
65	91.44	3.11	2.03									
66	91.57	3.11	1.47									
67	91.57	3.11	.98									
68	91.57	3.11	.51	2.03	1.64E+03	2.186E-03	2.075E-03	.125	1.746E-02	3.6881E-05	3.4258E-05	SINTON
69	91.57	3.11	.26									
										RE/M=	4.448E+06	
71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51									

AMES 3.5 FT WIND TUNNEL TEST(154), C. BLUMER RSI TILE GAPS RUN(18) 1973 PAGE 24

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
74	91.57	20.53	2.01	4.06	9.67E+03	1.244E-05	1.181E-05	.001	2.094E-02	2.0904E-07	1.9853E-07	SINTON
75	91.57	20.53	1.52	4.06	5.85E+01	7.536E-05	7.157E-05	.004	2.094E-02	1.2663E-06	1.2026E-06	SINTON
76	91.57	20.53	1.24	4.06	4.68E+01	6.265E-05	5.950E-05	.003	2.094E-02	1.0528E-06	9.9979E-07	SINTON
77	91.57	20.53	1.00	4.06	2.23E+01	2.878E-05	2.733E-05	.001	2.094E-02	4.8358E-07	4.5920E-07	SINTON
78	91.57	20.53	.74	4.06	2.72E+02	3.512E-04	3.334E-04	.017	2.094E-02	5.9010E-06	5.6031E-06	SINTON
79	91.57	20.53	.50	4.06	1.27E+03	1.640E-03	1.557E-03	.078	2.094E-02	2.7552E-05	2.6159E-05	SINTON
80	91.57	20.53	.24	4.06	1.03E+04	1.337E-02	1.270E-02	.639	2.094E-02	2.2471E-04	2.1333E-04	SINTON
81	91.57	20.53	.05	4.06	1.65E+04	2.145E-02	2.037E-02	1.023	2.097E-02	3.6051E-04	3.4221E-04	SINTON
82	91.83	20.53	0.00	4.06	2.48E+04	3.229E-02	3.065E-02	1.534	2.104E-02	5.4259E-04	5.1503E-04	SINTON
83	92.33	20.53	0.00	4.06	2.73E+04	3.551E-02	3.370E-02	1.669	2.128E-02	5.9664E-04	5.6631E-04	SINTON
84	92.83	20.53	0.00	4.06	2.76E+04	3.602E-02	3.418E-02	1.676	2.149E-02	6.0520E-04	5.7431E-04	SINTON
85	94.04	20.53	0.00	4.06	2.82E+04	3.698E-02	3.509E-02	1.678	2.204E-02	6.2139E-04	5.8963E-04	SINTON
86	95.38	20.53	0.00	4.06	2.91E+04	3.806E-02	3.611E-02	1.679	2.267E-02	6.3957E-04	6.0686E-04	SINTON
87	96.64	20.53	0.00	4.06	3.11E+04	4.074E-02	3.865E-02	1.738	2.343E-02	6.8454E-04	6.4951E-04	SINTON
88	99.17	20.53	0.00	4.06	3.03E+04	4.063E-02	3.854E-02	1.627	2.498E-02	6.8278E-04	6.4768E-04	SINTON
89	181.78	20.53	0.00	4.06	3.57E+04	4.695E-02	4.454E-02	1.758	2.670E-02	7.8894E-04	7.4848E-04	SINTON
90	184.25	20.53	0.00	4.06	4.17E+04	5.491E-02	5.209E-02	1.925	2.852E-02	9.2272E-04	8.7529E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST#1568, G. BLUMER RSI TILE GAPS RUN# 191 1973 PAGE 25

PT = 1.1475E+01(A) CONF= 2.1J
PT = 4.2544E+05(N/M2) GAP = .127 CM
HT = 1.2102E+06(J/KG) STEP = .159(CM)
RE/METER= 2.0539E+06
MACH = 5.10
QS = 1.1203E+04(N/M2)
MAW/HT =0.367 FOR HT
MAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPS (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.504E+06
1	91.57	-20.64	.72	1.02	1.09E+03	1.45BE-03	1.39BE-03	.170	8.557E-03	4.4490E-05	4.2243E-05	SINTON	
2	91.57	-20.54	.91	1.02	5.31E+03	4.42BE-03	4.196E-03	.517	8.557E-03	1.3493E-04	1.2808E-04	SINTON	
3	91.57	-20.34	.29	1.02	9.37E+03	1.291E-02	1.149E-02	1.462	8.557E-03	3.9188E-04	3.6249E-04	SINTON	
4	91.57	-20.42	.13	1.02	8.36E+03	1.116E-02	1.059E-02	1.305	8.543E-03	3.4060E-04	3.2336E-04	SINTON	
5	91.62	-20.34	.06	1.02	8.73E+03	1.175E-02	1.115E-02	1.374	8.554E-03	3.5868E-04	3.4044E-04	SINTON	
6	91.64	-20.22	.04	1.02	9.34E+03	1.256E-02	1.192E-02	1.470	8.542E-03	3.8325E-04	3.6376E-04	SINTON	
7	92.02	-20.34	.08	1.02	1.23E+04	1.715E-02	1.631E-02	2.014	8.531E-03	5.2439E-04	4.9771E-04	SINTON	
8	92.32	-20.34	.08	1.02	1.17E+04	1.567E-02	1.488E-02	1.841	8.515E-03	4.7837E-04	4.5402E-04	SINTON	
9	92.80	-20.5	.06	1.02	1.01E+04	1.349E-02	1.279E-02	1.588	8.489E-03	4.1143E-04	3.9049E-04	SINTON	
10	94.09	-20.54	.08	1.02	8.42E+03	1.127E-02	1.069E-02	1.339	8.417E-03	3.4390E-04	3.2640E-04	SINTON	
11	95.34	-20.54	.06	1.02	8.44E+03	1.135E-02	1.077E-02	1.359	8.376E-03	3.4636E-04	3.2873E-04	SINTON	
12	96.64	-20.54	.03	1.02	8.69E+03	1.163E-02	1.104E-02	1.383	8.410E-03	3.5497E-04	3.3691E-04	SINTON	
13	99.19	-20.54	.00	1.02	8.21E+03	1.097E-02	1.042E-02	1.295	8.476E-03	3.3494E-04	3.1790E-04	SINTON	
14	101.72	-20.54	.04	1.02	8.13E+03	1.087E-02	1.032E-02	1.318	8.269E-03	3.3173E-04	3.1487E-04	SINTON	
15	104.27	-20.53	.00	1.02	9.44E+03	1.255E-02	1.191E-02	1.592	7.882E-03	3.8346E-04	3.6360E-04	SINTON	
16	91.44	-21.53	1.02	1.02	2.73E+02	3.632E-04	3.449E-04	.042	8.564E-03	1.1086E-05	1.0525E-05	SINTON	
17	91.44	-18.44	1.02	1.02	1.44E+02	1.919E-04	1.822E-04	.023	8.526E-03	5.8567E-06	5.5604E-06	SINTON	
18	91.57	-18.44	.76	1.02	1.03E+03	1.376E-03	1.306E-03	.161	8.519E-03	4.1985E-05	3.9857E-05	SINTON	
19	91.57	-18.44	.51	1.02	2.07E+03	3.829E-03	3.635E-03	.449	8.5[illegible]E-03	1.1686E-04	1.1093E-04	SINTON	
20	91.57	-18.44	.25	1.02	8.64E+03	1.153E-02	1.094E-02	1.353	8.519E-03	3.5180E-04	3.3394E-04	SINTON	
													RE/M= 2.363E+06
61	91.44	3.11	.26										
62	91.44	3.11	.01										
63	91.44	3.11	.34										
64	91.44	3.11	1.47	2.03	1.36E+02	1.674E-04	1.591E-04	.020	8.211E-03	5.2462E-06	4.9839E-06	SINTUP	
26	91.44	-0.33	.44										
27	91.44	-0.33	.76										
28	91.44	-0.83	.49	2.03	1.89E+02	2.381E-04	2.261E-04	.023	8.147E-03	7.4587E-06	7.0859E-06	SINTUP	
29	91.44	-0.84	1.22	2.03	4.35E+02	5.509E-04	5.234E-04	.066	8.147E-03	1.7262E-05	1.6398E-05	SINTUP	
30	91.44	-0.83	1.52	2.03	5.3[illegible]E+02	6.768E-04	6.429E-04	.083	8.147E-03	2.1206E-05	2.0144E-05	SINTUP	
31	91.44	-0.83	2.03	2.03	9.88E+02	1.252E-03	1.189E-03	.154	8.147E-03	3.9217E-05	3.7253E-05	SINTON	
32	91.57	-0.33	1.77	2.03	2.54E+03	3.229E-03	3.067E-03	.396	8.153E-03	1.0117E-04	9.6095E-05	SINTON	
33	91.57	-0.33	1.01	2.03	8.13E+03	1.032E-02	9.803E-03	1.265	8.153E-03	3.2346E-04	3.0717E-04	SINTON	
34	91.57	-0.33	1.52	2.03	8.32E+03	1.059E-02	1.003E-02	1.295	8.153E-03	3.3092E-04	3.1431E-04	SINTON	
35	91.57	-0.33	.76	2.03	9.73E+03	1.237E-02	1.175E-02	1.517	8.153E-03	3.87[illegible]5E-04	3.6618E-0	SINTON	
36	91.57	-0.33	.76	2.03	1.19E+04	1.463E-02	1.389E-02	1.794	8.153E-03	4.5933E-04	4.3533E-04	SINTON	
37	91.57	-0.33	.49	2.03	1.31E+04	1.670E-02	1.586E-02	2.049	8.153E-03	5.2312E-04	4.9683E-04	SINTON	
38	91.57	-0.33	.27	2.03	1.16E+04	1.497E-02	1.326E-02	1.713	8.153E-03	4.3760E-04	4.1559E-04	SINTON	
39	91.57	.33	.11	2.03	9.4[illegible]E+03	1.208E-02	1.147E-02	1.480	8.159E-03	3.7838E-04	3.5935E-04	SINTON	
40	91.82	-0.33	.75	2.03	8.17E+03	1.029E-02	9.779E-03	1.262	8.155E-03	3.2245E-04	3.0640E-04	SINTON	
41	91.83	.33	1.52	2.03	7.05E+03	8.97[illegible]E-03	8.528E-03	1.103	8.166E-03	2.8134E-04	2.6720E-04	SINTON	
42	91.81	-0.33	2.03	2.03	7.43E+03	9.453E-03	9.453E-03	1.219	8.163E-03	3.1166E-04	2.9620E-04	SINTON	
43	92.36	-0.33	2.03										
44	92.82	-0.33	2.03	2.03	7.[illegible]2E+03	9.[illegible]3E-03	9.052E-03	1.161	8.207E-03	2.9802E-04	2.83b3E-04	SINTON	
45	94.19	-0.33	2.03	2.03	7.75E+03	9.776E-03	9.238E-03	1.183	8.262E-03	3.0632E-04	2.9095E-04	SINTON	
46	95.85	-0.33	2.03	2.03	1.13E+13	6.016E-36	6.016E-36	.000	8.312E-03	1.8549E-37	1.8849E-37	SINTON	
47	96.62	-0.33	2.03	2.03	1.13E+13	9.894E-30	6.032E-29	.000	8.351E-03	3.1000E-31	1.8900E-30	SINTON	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

AMES 3.5 FT WIND TUNNEL TEST1158), C. BLUMER RSI TILE GAPS RUN(19) 1973 PAGE 26

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
68	99.17	-0.00	0.00	2.03	1.13E+10	6.016E-36	6.016E-36	.000	8.430E-03	1.8849E-37	1.8849E-37	SINTON
69	101.70	-0.00	0.00	2.03	1.32E+02	6.016E-36	6.894E-29	.000	8.477E-03	1.8850E-37	2.1608E-30	SINTON
50	104.25	-0.00	0.00	2.03	1.13E+10	6.016E-36	6.016E-36	.000	8.508E-03	1.8850E-37	1.8849E-37	SINTON
65	91.44	3.11	2.03									
66	91.57	3.11	1.07	2.03	1.13E+10	1.877E-23	6.016E-36	.000	8.217E-03	5.8808E-25	1.8849E-37	SINTON
67	91.57	3.11	.99	2.03	1.88E+02	1.372E-41	1.883E-29	.000	8.217E-03	4.3000E-43	5.9000E-31	SINTON
68	91.57	3.11	.51	2.03	4.35E+02	1.723E-41	6.016E-36	.000	8.217E-03	5.4000E-43	1.8849E-37	SINTON
69	91.57	3.11	.26	2.03	5.35E+02	6.016E-36	1.883E-29	.000	8.217E-03	1.8850E-37	5.9000E-31	SINTON
											KE/M=	2.282E+06
71	91.57	20.53	3.45									
72	91.57	20.53	3.01	4.06	1.02E+02	1.254E-04	1.192E-04	.615	8.544E-03	3.9928E-06	3.7948E-06	SINTON
73	91.57	20.53	2.51	4.06	6.23E+02	7.636E-04	7.257E-04	.083	8.544E-03	2.4307E-05	2.3101E-05	SINTON
74	91.57	20.53	2.01	4.06	2.37E+03	2.911E-03	2.767E-03	.341	8.544E-03	9.2677E-05	8.8070E-05	SINTON
75	91.57	20.53	1.52	4.06	9.02E+03	1.111E-02	1.055E-02	1.300	8.544E-03	3.5335E-04	3.3596E-04	SINTON
76	91.57	20.53	1.26	4.06	1.69E+02	1.965E-04	1.867E-04	.023	8.544E-03	6.2546E-06	5.9444E-06	SINTON
77	91.57	20.53	1.00	4.06	1.72E+02	2.110E-04	2.005E-04	.025	8.544E-03	6.7158E-06	6.3828E-06	SINTON
78	91.57	20.53	.76	4.06	1.24E+02	1.517E-04	1.441E-04	.018	8.544E-03	4.8274E-06	4.5879E-06	SINTON
79	91.57	20.53	.50	4.06	3.08E+02	3.796E-04	3.598E-04	.044	8.544E-03	1.2056E-05	1.1452E-05	SINTON
80	91.57	20.53	.24	4.06	2.79E+02	3.424E-04	3.254E-04	.040	8.544E-03	1.0899E-05	1.0358E-05	SINTON
81	91.62	20.53	.05	4.06	6.06E+02	7.452E-04	7.082E-04	.087	8.544E-03	2.3722E-05	2.2543E-05	SINTON
82	91.80	20.53	0.00	4.06	6.65E+02	8.195E-04	7.788E-04	.096	8.545E-03	2.6056E-05	2.4760E-05	SINTON
83	92.33	20.53	0.00	4.06	1.23E+03	1.513E-03	1.436E-03	.177	8.548E-03	4.8161E-05	4.5762E-05	SINTON
84	92.83	20.53	0.00	4.06	2.03E+03	2.500E-03	2.376E-03	.292	8.551E-03	7.9595E-05	7.5625E-05	SINTON
85	94.04	20.53	0.00	4.06	7.86E+03	9.737E-03	9.250E-03	1.138	8.558E-03	3.0994E-04	2.9446E-04	SINTON
86	95.39	20.53	0.00	4.06	1.01E+04	1.256E-02	1.193E-02	1.468	8.557E-03	3.9980E-04	3.7979E-04	SINTON
87	96.84	20.53	0.00	4.06	1.30E+04	1.613E-02	1.532E-02	1.889	8.539E-03	5.1331E-04	4.8759E-04	SINTON
88	99.17	20.53	0.00	4.06	1.43E+04	1.276E-02	1.212E-02	1.501	8.502E-03	4.0612E-04	3.8579E-04	SINTON
89	101.70	20.53	0.00	4.06	9.17E+03	1.139E-02	1.082E-02	1.329	8.571E-03	3.6268E-04	3.4447E-04	SINTON
90	104.25	20.53	0.00	4.06	8.02E+03	9.967E-03	9.466E-03	1.147	8.693E-03	3.1726E-04	3.0132E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1>8), C. BLUMER RSI TILE GAPS RUN(20) 1973 PAGE 27

TT = 1.1273E+03(K) CONF= 2.10
PT = 4.1273E+05(N/M2) GAP = .254 CM
HT = 1.1928E+06(J/KG) STEP = .159(CM)
RE/METER= 2.6029E+06
MACH = 5.10
QS = 1.0939E+05(N/M2)
MAW/MT =1.407 FOR MT
MAW/MT =0.476 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP0 (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.603E+06
1	91.89	-20.54	.75	1.02	9.43E+02	1.234E-03	1.228E-03	.147	8.814E-03	3.8637E-05	3.6659E-05	SINTDN	
2	91.89	-20.54	.51	1.02	2.12E+03	2.913E-03	2.761E-03	.330	8.814E-03	8.6873E-05	8.2419E-05	SINTDN	
3	91.89	-20.54	.28	1.02	6.41E+03	8.817E-03	8.364E-03	1.000	8.814E-03	2.6320E-04	2.4969E-04	SINTDN	
4	91.89	-20.54	.10	1.02	7.23E+03	9.909E-03	9.400E-03	1.125	8.805E-03	2.9581E-04	2.8062E-04	SINTDN	
5	91.74	-20.54	.75	1.02	8.33E+03	1.143E-02	1.084E-02	1.297	8.812E-03	3.4122E-04	3.2370E-04	SINTDN	
6	91.92	-20.27	0.00	1.02	9.04E+03	1.247E-02	1.182E-02	1.416	8.800E-03	3.7211E-04	3.5298E-04	SINTDN	
7	92.15	-20.54	0.00	1.02	9.69E+03	1.336E-02	1.267E-02	1.519	8.795E-03	3.9876E-04	3.7827E-04	SINTDN	
8	92.45	-20.54	0.00	1.02	9.25E+03	1.275E-02	1.210E-02	1.452	8.783E-03	3.8067E-04	3.6109E-04	SINTDN	
9	92.93	-20.54	0.00	1.02	8.20E+03	1.131E-02	1.073E-02	1.290	8.762E-03	3.3755E-04	3.2019E-04	SINTDN	
10	93.22	-20.54	0.00	1.02	6.89E+03	9.497E-03	9.009E-03	1.091	8.709E-03	2.8351E-04	2.6893E-04	SINTDN	
11	93.46	-20.54	0.00	1.02	6.36E+03	9.592E-03	9.099E-03	1.103	8.700E-03	2.8635E-04	2.7162E-04	SINTDN	
12	93.77	-20.54	0.00	1.02	7.15E+03	9.854E-03	9.348E-03	1.124	8.766E-03	2.9416E-04	2.7904E-04	SINTDN	
13	94.31	-20.54	0.00	1.02	6.89E+03	9.219E-03	8.745E-03	1.036	8.897E-03	2.7521E-04	2.6106E-04	SINTDN	
14	94.85	-20.54	0.00	1.02	6.48E+03	8.920E-03	8.462E-03	1.018	8.762E-03	2.6628E-04	2.5261E-04	SINTDN	
15	94.89	-20.53	0.00	1.02	7.34E+03	1.016E-02	9.642E-03	1.192	8.528E-03	3.0346E-04	2.8783E-04	SINTDN	
16	91.57	-20.53	1.02	1.02	4.33E+02	5.596E-04	5.310E-04	.063	8.819E-03	1.6705E-05	1.5851E-05	SINTDN	
17	91.57	-19....	1.02	1.02	4.03E+02	5.551E-04	5.267E-04	.063	8.776E-03	1.6572E-05	1.5724E-05	SINTDN	
18	91.69	-19.34	.75	1.02	1.02E+03	1.402E-03	1.331E-03	.160	8.773E-03	4.1866E-05	3.9722E-05	SINTDN	
19	91.69	-19.34	.51	1.02	2.10E+03	2.883E-03	2.736E-03	.329	8.773E-03	8.6072E-05	8.1661E-05	SINTDN	
20	91.69	-19.34	.25	1.02	6.53E+03	8.977E-03	8.516E-03	1.023	8.773E-03	2.6797E-04	2.5423E-04	SINTDN	
													RE/M= 2.518E+06
61	91.44	3.11	.75										
62	91.44	3.11	.51										
63	91.44	3.11	.28										
64	91.44	3.11	1.47	2.03	1.54E+02	2.042E-04	1.939E-04	.024	8.638E-03	6.1960E-06	5.8818E-06	SINTUP	
65	91.44	+0.13	.48										
67	91.44	+3.05	.75										
28	91.44	+0.13	.49	2.03	6.45E+03	8.560E-06	8.126E-06	.001	8.550E-03	2.5973E-07	2.4656E-07	SINTUP	
29	91.44	+0.13	1.02	2.03	6.99E+01	9.266E-05	8.796E-05	.011	8.550E-03	2.8114E-06	2.6688E-06	SINTUP	
30	91.44	+0.10	1.52	2.03	2.53E+02	3.365E-04	3.194E-04	.039	8.550E-03	1.0209E-05	9.6904E-06	SINTUP	
31	91.57	+0.13	2.03	2.03	5.53E+02	7.311E-04	6.939E-04	.085	8.561E-03	2.2181E-05	2.1054E-05	SINTDN	
32	91.39	+0.13	1.77	2.03	1.40E+0	1.861E-03	1.766E-03	.217	8.571E-03	5.6456E-05	5.3578E-05	SINTDN	
33	91.59	+0.00	1.51	2.03	4.90E+0.	6.635E-03	6.297E-03	.774	8.571E-03	2.0132E-04	1.9107E-04	SINTDN	
34	91.59	+0.00	1.02	2.03	5.57E+03	7.473E-03	7.095E-03	.866	8.571E-03	2.2523E-04	2.1377E-04	SINTDN	
35	91.59	+0.03	.49	2.03	7.62E+03	1.017E-02	9.650E-03	1.186	8.571E-03	3.0850E-04	2.9278E-04	SINTDN	
36	91.59	+0.00	.75	2.03	7.79E+03	1.037E-02	9.843E-03	1.210	8.571E-03	3.1467E-04	2.9866E-04	SINTDN	
37	91.59	+0.10	.48	2.03	9.40E+03	1.262E-02	1.197E-02	1.472	8.571E-03	3.8279E-04	3.6329E-04	SINTDN	
38	91.59	+0.13	.27	2.03	8.57E+03	1.144E-02	1.086E-02	1.335	8.571E-03	3.4724E-04	3.2954E-04	SINTDN	
39	91.69	.13	.13	2.03	7.65E+03	1.023E-02	9.708E-03	1.192	8.579E-03	3.1036E-04	2.9454E-04	SINTDN	
40	91.74	+0.10	.36	2.03	6.57E+03	8.679E-03	8.241E-03	1.012	8.575E-03	2.6332E-04	2.5003E-04	SINTDN	
41	91.45	.32	0.00	2.03	5.79E+03	7.705E-03	7.313E-03	.897	8.593E-03	2.3378E-04	2.2188E-04	SINTDN	
42	91.44	+0.13	0.00	2.03	6.43E+03	8.566E-03	8.130E-03	.997	8.591E-03	2.5990E-04	2.4667E-04	SINTDN	
43	92.43	+0.00	0.00										
44	92.15	+0.05	0.00	2.03	5.49E+03	7.850E-03	7.451E-03	.905	8.674E-03	2.3818E-04	2.2606E-04	SINTDN	
45	94.22	+0.13	0.00	2.03	6.13E+03	8.168E-03	7.752E-03	.930	8.778E-03	2.4782E-04	2.3521E-04	SINTDN	
46	95.49	+0.03	0.00	2.03	1.13E+10	6.213E-36	6.213E-36	.000	8.888E-03	1.8849E-37	1.8849E-37	SINTDN	
47	96.75	+0.10	0.00	2.03	1.13E+10	1.022E-29	6.229E-29	.000	9.008E-03	3.1000E-31	1.6900E-30	SINTDN	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN: 28) 1973 PAGE 28

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
48	99.29	-0.00	0.00	2.03	1.13E+10	6.213E-36	6.213E-36	.000	9.243E-03	1.8849E-37	1.8849E-37	SINTON	
49	101.93	-0.00	0.00	2.03	1.54E+02	6.213E-36	7.119E-29	.000	9.491E-03	1.8850E-37	2.1688E-30	SINTON	
50	104.55	-0.00	0.00	2.03	1.13E+10	6.213E-36	6.213E-36	.000	9.735E-03	1.8850E-37	1.8849E-37	SINTON	
65	91.57	3.11	2.03										
66	91.69	3.11	1.47										
67	91.69	3.11	.38	2.03	6.45E+00	1.417E-41	1.945E-29	.000	8.661E-03	4.3000E-43	5.9008E-31	SINTON	
68	91.69	3.11	.51	2.03	6.98E+01	1.780E-41	6.213E-36	.000	8.661E-03	5.4000E-43	1.8849E-37	SINTON	
69	91.69	3.11	.26	2.03	2.53E+02	6.213E-36	1.945E-29	.000	8.661E-03	1.8850E-37	5.9008E-31	SINTON	
												RE/M=	2.443E+06
71	91.69	20.53	3.45	4.06	3.34E+01	4.320E-05	4.102E-05	.005	9.288E-03	1.3268E-06	1.2601E-06	SINTON	
72	91.69	20.53	3.31	4.06	1.35E+02	1.742E-04	1.655E-04	.019	9.288E-03	5.3513E-06	5.0818E-06	SINTON	
73	91.69	20.53	2.51	4.06	2.78E+02	3.601E-04	3.420E-04	.039	9.288E-03	1.1060E-05	1.0503E-05	SINTON	
74	91.69	20.53	2.01	4.06	1.69E+03	2.199E-03	2.088E-03	.237	9.288E-03	6.7545E-05	6.4136E-05	SINTON	
75	91.69	20.53	1.52	4.06	6.14E+03	7.980E-03	7.577E-03	.859	9.288E-03	2.4512E-04	2.3273E-04	SINTON	
76	91.69	20.53	1.24										
77	91.69	20.53	1.00										
78	91.69	20.53	.76										
79	91.69	20.53	.50	4.06	2.03E+01	3.411E-05	3.239E-05	.004	9.288E-03	1.0477E-06	9.9488E-07	SINTON	
80	91.69	20.53	.26	4.06	1.41E+02	1.824E-04	1.732E-04	.020	9.288E-03	5.6026E-06	5.3200E-06	SINTON	
81	91.74	20.53	.05	4.06	2.49E+02	3.234E-04	3.070E-04	.035	9.290E-03	9.9322E-06	9.4309E-06	SINTON	
82	91.93	20.53	0.00	4.06	4.73E+02	6.136E-04	5.826E-04	.066	9.300E-03	1.8846E-05	1.7895E-05	SINTON	
83	92.46	20.53	0.00	4.06	7.48E+02	9.620E-04	9.134E-04	.103	9.320E-03	2.9547E-05	2.8054E-05	SINTON	
84	92.96	20.53	0.00	4.06	1.53E+03	1.985E-03	1.885E-03	.212	9.354E-03	6.0973E-05	5.7889E-05	SINTON	
85	94.21	20.53	0.00	4.06	5.33E+03	6.941E-03	6.590E-03	.737	9.420E-03	2.1320E-04	2.0240E-04	SINTON	
86	95.51	20.53	0.00	4.06	6.37E+03	8.316E-03	7.894E-03	.877	9.479E-03	2.5542E-04	2.4247E-04	SINTON	
87	96.76	20.53	0.00	4.06	8.62E+03	1.126E-02	1.069E-02	1.182	9.520E-03	3.4574E-04	3.2819E-04	SINTON	
88	99.29	20.53	0.00	4.06	8.31E+03	1.084E-02	1.029E-02	1.129	9.603E-03	3.3299E-04	3.1611E-04	SINTON	
89	101.83	20.53	0.00	4.06	7.36E+03	9.627E-03	9.138E-03	.974	9.881E-03	2.9578E-04	2.8066E-04	SINTON	
90	104.38	20.53	0.00	4.06	6.41E+03	8.408E-03	7.980E-03	.821	1.024E-02	2.5825E-04	2.4509E-04	SINTON	

AMES 3.5 FT HIGH TEMPERATURE TUNNEL TEST(1569), C. BLUMER RSI TILE GAPS RUN(21) 1973 PAGE 29

TT = 1.141E+03(K) CONF= 2.10
PT = 4.225E+05(N/M2) GAP = .508 CM
HT = 1.212E+08(J/KG) STEP = .159(CM)
RE/METER= 2.089E+06
MACH = 9.10
QS = 1.112E+06(W/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.876 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP= (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	2.598E+06
1	91.22	-20.64	.75	1.02	1.37E+03	1.835E-03	1.742E-03	.215	8.548E-03	5.6076E-05	5.3221E-05	SINTON	
2	91.32	-20.64	.51	1.02	3.47E+03	4.660E-03	4.423E-03	.545	8.548E-03	1.4240E-04	1.3516E-04	SINTON	
3	91.42	-20.64	.29	1.02	7.30E+03	9.807E-03	9.308E-03	1.147	8.548E-03	2.9969E-04	2.8443E-04	SINTON	
4	91.55	-20.22	.16	1.02	5.70E+03	7.666E-03	7.273E-03	.897	8.541E-03	2.3419E-04	2.2226E-04	SINTON	
5	92.00	-20.64	.15	1.02	5.28E+03	7.071E-03	6.711E-03	.828	8.545E-03	2.1607E-04	2.0506E-04	SINTON	
6	92.07	-20.22	0.00	1.02	6.95E+03	9.358E-03	8.881E-03	1.095	8.534E-03	2.8596E-04	2.7138E-04	SINTON	
7	92.41	-20.14	0.06	1.02	3.45E+03	4.631E-03	4.395E-03	.543	8.523E-03	1.4152E-04	1.3432E-04	SINTON	
8	92.70	-20.64	0.00	1.02	8.64E+04	1.400E-02	1.329E-02	1.646	8.507E-03	4.2792E-04	4.0610E-04	SINTON	
9	93.18	-20.64	0.06	1.02	8.99E+03	1.209E-02	1.147E-02	1.426	8.480E-03	3.6962E-04	3.5058E-04	SINTON	
10	94.67	-20.64	0.00	1.02	7.42E+03	9.970E-03	9.462E-03	1.166	8.410E-03	3.0466E-04	2.8913E-04	SINTON	
11	95.72	-20.64	0.00	1.02	7.25E+03	9.739E-03	9.243E-03	1.159	8.400E-03	2.9761E-04	2.8244E-04	SINTON	
12	97.02	-20.64	0.06	1.02	7.44E+03	9.996E-03	9.487E-03	1.185	8.436E-03	3.0546E-04	2.8998E-04	SINTON	
13	99.56	-20.64	0.06	1.02	6.56E+03	8.814E-03	8.365E-03	1.036	8.505E-03	2.6934E-04	2.5562E-04	SINTON	
14	102.10	-20.64	0.00	1.02	6.23E+03	8.370E-03	7.944E-03	1.018	8.218E-03	2.5576E-04	2.4274E-04	SINTON	
15	104.63	-20.23	0.00	1.02	6.92E+03	9.280E-03	8.808E-03	1.181	7.858E-03	2.8358E-04	2.6916E-04	SINTON	
16	91.82	-20.03	1.02	1.02	3.97E+02	5.178E-04	4.916E-04	.061	8.554E-03	1.5823E-05	1.5021E-05	SINTON	
17	91.82	-19.96	1.02	1.02	4.93E+02	6.592E-04	6.258E-04	.077	8.520E-03	2.0146E-05	1.9123E-05	SINTON	
18	91.95	-19.96	.76	1.02	1.35E+03	1.804E-03	1.713E-03	.212	8.515E-03	5.5135E-05	5.2335E-05	SINTON	
19	91.45	-19.96	.51	1.02	2.96E+03	3.976E-03	3.772E-03	.467	8.515E-03	1.2144E-04	1.1526E-04	SINTON	
20	91.35	-19.96	.25	1.02	6.56E+03	8.808E-03	8.360E-03	1.034	8.515E-03	2.6916E-04	2.5546E-04	SINTON	
												RE/M=	2.586E+06
61	91.66	3.11	.76										
62	91.66	3.11	.51										
63	91.66	3.11	.25										
64	91.66	3.11	1.47	2.03	1.57E+01	1.578E-07	1.517E-07	.000	8.626E-03	4.8237E-09	4.6375E-09	SINTUP	
26	91.66	-1.33	.66	2.03	3.29E+02	4.272E-04	4.056E-04	.050	8.538E-03	1.3061E-05	1.2399E-05	SINTUP	
27	91.66	-1.61	.75	2.03	5.09E+02	6.892E-04	7.691E-04	.095	8.538E-03	2.4738E-05	2.3483E-05	SINTUP	
28	91.66	-1.83	.43	2.03	5.75E+02	7.687E-04	7.297E-04	.090	8.539E-03	2.3502E-05	2.2309E-05	SINTUP	
29	91.66	-1.83	1.22	2.03	7.21E+02	9.652E-04	9.161E-04	.113	8.538E-03	2.9508E-05	2.8008E-05	SINTUP	
30	91.66	-2.03	1.22	2.03	1.07E+03	1.428E-03	1.356E-03	.167	8.538E-03	4.3662E-05	4.1442E-05	SINTUP	
31	91.82	-2.03	2.03	2.03	1.58E+03	2.116E-03	2.008E-03	.247	8.563E-03	6.4607E-05	6.1394E-05	SINTON	
32	91.95	-2.03	1.77	2.03	3.27E+03	4.399E-03	4.165E-03	.512	8.573E-03	1.3419E-04	1.2735E-04	SINTON	
33	91.95	-2.03	1.51	2.03	1.06E+04	1.347E-02	1.279E-02	1.571	8.579E-03	4.1195E-04	3.9093E-04	SINTON	
34	91.45	-2.20	1.22	2.03	1.17E+04	1.444E-02	1.370E-02	1.683	8.573E-03	4.4135E-04	4.1866E-04	SINTON	
35	91.45	-2.03	.99	2.03	1.14E+04	1.530E-02	1.452E-02	1.783	8.573E-03	4.6778E-04	4.4389E-04	SINTON	
36	91.95	-2.03	.75	2.03	1.34E+04	1.796E-02	1.705E-02	2.094	8.573E-03	5.4915E-04	5.2117E-04	SINTON	
37	91.95	-2.20	.49	2.03	1.42E+04	1.907E-02	1.816E-02	2.223	8.579E-03	5.8298E-04	5.5322E-04	SINTON	
38	91.95	-2.03	.27	2.03	1.11E+04	1.494E-02	1.418E-02	1.741	8.573E-03	4.5671E-04	4.3339E-04	SINTON	
39	91.95	-2.57	.13	2.03	9.31E+03	1.253E-02	1.189E-02	1.459	8.588E-03	3.8303E-04	3.6348E-04	SINTON	
46	92.03	-2.20	.05	2.03	8.31E+03	1.113E-02	1.057E-02	1.297	8.583E-03	3.4040E-04	3.2309E-04	SINTON	
41	92.12	-2.12	0.00	2.03	6.83E+03	9.169E-03	8.702E-03	1.066	8.601E-03	2.8031E-04	2.6604E-04	SINTON	
42	92.18	-2.03	0.00	2.03	7.09E+03	9.527E-03	9.048E-03	1.114	8.599E-03	2.9176E-04	2.7692E-04	SINTON	
43	92.28	-2.03	0.00	2.03	7.12E+03	9.563E-03	9.058E-03	1.105	8.639E-03	2.9176E-04	2.7692E-04	SINTON	
44	92.50	-2.03	0.00	2.03	7.75E+03	9.732E-03	9.237E-03	1.121	8.681E-03	2.9752E-04	2.8239E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(15a). C. BLUMER RSI TILE GAPS RUN1 21) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP3 (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
45	90.47	-0.00	0.00	2.03	7.62E+03	1.020E-02	9.686E-03	1.162	8.783E-03	3.1197E-04	2.9611E-04	SINTON
46	95.74	-0.00	0.00	2.03	1.13E+10	6.166E-36	6.166E-36	.000	8.894E-03	1.8849E-37	1.8849E-37	SINTON
47	97.56	-0.00	0.00	2.03	1.13E+10	1.014E-29	6.182E-29	.000	9.312E-03	3.1000E-31	1.8900E-38	SINTON
48	99.55	-0.00	0.00	2.03	1.13E+10	6.166E-36	6.166E-36	.000	9.248E-03	1.8849E-37	1.8849E-37	SINTON
49	102.49	-0.00	0.00	2.03	1.57E+01	6.166E-36	7.065E-29	.000	9.485E-03	1.8850E-37	2.1600E-33	SINTON
50	104.84	-0.00	0.00	2.03	1.13E+10	6.166E-36	6.166E-36	.000	9.722E-03	1.8850E-37	1.8849E-37	SINTON
65	91.82	3.11	2.03	2.03	3.20E+02	7.252E-21	7.065E-29	.000	8.659E-03	2.2200E-22	2.1600E-30	SINTON
66	91.95	3.11	1.47	2.03	6.35E+02	1.924E-23	6.166E-36	.000	8.671E-03	5.8808E-25	1.8849E-37	SINTON
67	91.95	3.11	.99	2.03	5.75E+02	1.407E-41	1.930E-29	.000	8.671E-03	4.3000E-43	5.9000E-31	SINTON
68	91.95	3.11	.51	2.03	7.21E+02	1.766E-41	6.166E-36	.000	8.671E-03	5.4000E-43	1.8849E-37	SINTON
69	91.95	3.11	.26	2.03	1.07E+03	6.166E-36	1.930E-29	.000	8.671E-03	1.8850E-37	5.9000E-31	SINTON
												HE/M= 2.453E+06
71	91.95	20.63	3.45	4.06	3.28E+02	4.288E-04	4.072E-04	.046	9.350E-03	1.3235E-05	1.2568E-05	SINTON
72	91.95	20.63	3.01									
73	91.95	20.63	2.55	4.06	7.05E+02	9.254E-04	8.787E-04	.099	9.350E-03	2.8561E-05	2.7119E-05	SINTON
74	91.95	20.63	2.31	4.06	2.61E+03	3.538E-03	3.359E-03	.374	9.350E-03	1.0920E-04	1.0367E-04	SINTON
75	91.95	20.63	1.72	4.06	9.33E+03	1.223E-02	1.166E-02	1.313	9.350E-03	3.7948E-04	3.5978E-04	SINTON
76	91.95	20.63	1.24									
77	91.95	20.63	1.00	4.06	1.53E+02	2.012E-04	1.911E-04	.022	9.350E-03	6.2106E-06	5.8971E-06	SINTON
78	91.95	20.63	.76	4.06	3.80E+02	5.101E-04	4.843E-04	.055	9.350E-03	1.5742E-05	1.4947E-05	SINTON
79	91.95	20.63	.51	4.06	4.50E+02	5.915E-04	5.616E-04	.063	9.350E-03	1.8257E-05	1.7333E-05	SINTON
80	91.95	20.63	.26	4.06	4.25E+02	5.593E-04	5.309E-04	.060	9.350E-03	1.7261E-05	1.6387E-05	SINTON
81	92.00	20.63	.00	4.06	6.35E+02	8.380E-04	7.955E-04	.090	9.353E-03	2.5863E-05	2.4552E-05	SINTON
82	92.18	20.63	0.00	4.06	6.02E+02	8.794E-04	8.348E-04	.094	8.864E-03	2.7141E-05	2.5764E-05	SINTON
83	92.72	20.63	0.00	4.06	1.11E+03	1.459E-03	1.385E-03	.155	8.393E-03	4.5030E-05	4.2744E-05	SINTON
84	93.22	20.63	0.00	4.06	1.95E+03	2.024E-03	1.925E-03	.215	8.421E-03	6.2593E-05	5.9412E-05	SINTON
85	94.46	20.63	0.00	4.06	5.38E+03	7.116E-03	6.754E-03	.756	8.491E-03	2.1963E-04	2.0846E-04	SINTON
86	95.76	20.63	0.00	4.06	4.33E+03	5.732E-03	5.440E-03	.608	8.548E-03	1.7690E-04	1.6790E-04	SINTON
87	97.02	20.63	0.00	4.06	8.47E+03	1.121E-02	1.064E-02	1.168	9.593E-03	3.4595E-04	3.2834E-04	SINTON
88	99.55	20.63	0.00	4.06	8.24E+03	1.091E-02	1.035E-02	1.120	9.684E-03	3.3662E-04	3.1948E-04	SINTON
89	102.08	20.63	0.00	4.06	7.07E+03	9.363E-03	8.886E-03	.936	1.000E-02	2.8897E-04	2.7425E-04	SINTON
90	104.63	20.63	0.00	4.06	6.40E+03	8.482E-03	8.049E-03	.818	1.037E-02	2.6177E-04	2.4842E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(22) 1973 PAGE 31

TT = 1.1382E+03(K) CONF= 2.10
PI = 9.1864E+01(ATM) GAP = .508 CM
HI = 1.2229E+03(J/KG) STEP = 3.175(CM)
RE/METER = 2.4824E+06
MACH = 7.10
Q = 1.1238E+03(W/M2)
HAW/HT =1.017 FOR HT
HAW/HT =0.976 FOR HL

E/C	X (CM)	YY (CM)	ZZ (CM)	GAP) (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.462E+06
1	91.96	-21.22	.79	1.02	3.03E+03	4.011E-03	3.804E-03	.476	8.423E-03	1.2391E-04	1.1765E-04	SINTON	
2	91.46	-21.22	.51	1.02	4.51E+03	6.116E-03	5.800E-03	.725	8.423E-03	1.8874E-04	1.7913E-04	SINTON	
3	91.22	-21.22	.29	1.02	7.03E+03	1.014E-02	9.625E-03	1.204	8.423E-03	3.1322E-04	2.9733E-04	SINTON	
4	91.96	-21.22	.79	1.02	4.52E+03	6.17+E-03	5.860E-03	.733	8.417E-03	1.9072E-04	1.8104E-04	SINTON	
5	91.63	-21.24	.45	1.02	7.03E+03	1.013E-02	9.615E-03	1.203	8.420E-03	3.1294E-04	2.9705E-04	SINTON	
6	92.07	-21.23	1.03	1.02	8.80E+03	1.1o9E-02	1.109E-02	1.390	8.413E-03	3.4109E-04	3.4274E-04	SINTON	
7	92.41	-21.24	1.37	1.02	1.00E+04	2.101E-02	1.994E-02	2.503	8.396E-03	6.4904E-04	6.1612E-04	SINTON	
8	92.71	-21.24	1.67	1.02	1.20E+04	1.598E-02	1.517E-02	1.907	8.379E-03	4.9361E-04	4.6894E-04	SINTON	
9	93.18	-21.24	2.14	1.02	9.73E+03	1.291E-02	1.226E-02	1.547	8.348E-03	3.9886E-04	3.7808E-04	SINTON	
10	93.47	-21.24	2.43	1.02	7.58E+03	1.003E-02	9.520E-03	1.213	8.270E-03	3.0951E-04	2.9409E-04	SINTON	
11	93.72	-21.24	2.68	1.02	7.19E+03	9.53oE-03	9.053E-03	1.156	8.249E-03	2.9459E-04	2.7986E-04	SINTON	
12	97.02	-21.24	5.98	1.02	7.26E+03	9.541E-03	9.058E-03	1.154	8.269E-03	2.9476E-04	2.7991E-04	SINTON	
13	93.50	-20....	6.46	1.02	6.14E+03	8.143E-03	7.777E-03	.986	8.309E-03	2.5349E-04	2.4626E-04	SINTON	
14	102.11	-21.24	14.08	1.02	5.82E+03	7.721E-03	7.321E-03	.934	7.366E-03	2.3821E-04	2.2615E-04	SINTON	
15	104.11	-20.23	16.08	1.02	6.61E+03	8.743E-03	8.300E-03	1.159	7.544E-03	2.7009E-04	2.5642E-04	SINTON	
16	91.42	-20.23	3.39	1.02	4.13E+02	5.697E-04	5.409E-04	.068	8.431E-03	1.7598E-05	1.6711E-05	SINTON	
17	91.92	-20.23	3.89	1.02	4.85E+02	6.429E-04	5.814E-04	.073	8.809E-03	1.8931E-05	1.7976E-05	SINTON	
18	91.45	-18.24	.72	1.02	2.70E+03	3.569E-03	3.389E-03	.425	8.393E-03	1.1037E-04	1.0489E-04	SINTON	
19	91.45	-18.44	.91	1.02	4.03E+03	5.330E-03	5.060E-03	.635	8.392E-03	1.6465E-04	1.5632E-04	SINTON	
20	91.95	-18.24	.75	1.02	8.13E+03	8.206E-03	7.790E-03	.978	8.393E-03	2.5350E-04	2.4065E-04	SINTON	
													RE/M= 2.419E+06
61	91.44	3.11	.95										
62	91.44	3.11	.91										
63	91.44	3.11	.49										
64	91.44	3.11	1.07										
26	91.44	-1.91	.89	2.03	5.32E+02	6.942E-04	6.543E-04	.084	8.331E-03	2.1617E-05	2.0532E-05	SINTUP	
27	91.44	-1.91	.72	2.03	1.05E+03	1.360E-03	1.292E-03	.164	8.301E-03	4.2152E-05	4.0224E-05	SINTUP	
28	91.44	-1.91	.49	2.03	1.25E+03	1.627E-03	1.545E-03	.196	8.301E-03	5.0478E-05	4.8127E-05	SINTUP	
29	91.44	-1.91	.23	2.03	1.57E+03	2.046E-03	1.943E-03	.249	8.331E-03	6.3783E-05	6.0838E-05	SINTUP	
30	91.44	-1.91	1.22	2.03	2.07E+03	2.687E-03	2.553E-03	.322	8.301E-03	8.3136E-05	7.8947E-05	SINTUP	
31	91.42	-1.91	2.03	2.03	2.07E+03	2.687E-03	2.553E-03	.322	8.301E-03	1.1201E-04	1.0636E-04	SINTON	
32	91.43	-2.06	1.77	2.03	2.72E+03	3.547E-03	3.415E-03	.432	8.323E-03	2.0347E-04	1.9319E-04	SINTON	
33	91.43	-1.91	1.81	2.03	4.70E+03	6.534E-03	6.204E-03	.784	8.331E-03	5.9357E-04	5.6344E-04	SINTON	
34	91.35	-1.91	1.73	2.03	1.49E+04	1.930E-02	1.810E-02	2.288	8.331E-03	6.4778E-04	6.1503E-04	SINTON	
35	91.43	-1.91	1.81	2.03	2.09E+04	2.689E-02	1.472E-02	2.497	8.331E-03	7.3452E-04	6.9733E-04	SINTON	
36	91.43	-1.91	1.81	2.03	1.85E+04	2.359E-02	2.239E-02	2.831	8.331E-03	7.9863E-04	7.5809E-04	SINTON	
37	91.43	-1.91	1.81	2.03	1.99E+04	2.564E-02	2.434E-02	3.079	8.331E-03	8.4492E-04	8.021oE-04	SINTON	
38	91.43	-1.91	1.81	2.03	2.06E+04	2.713E-02	2.576E-02	3.257	8.331E-03	5.6922E-04	5.4041E-04	SINTON	
39	91.43	-1.91	1.81	2.03	1.54E+04	1.829E-02	1.735E-02	2.194	8.331E-03	4.6345E-04	4.4031E-04	SINTON	
40	92.03	-1.91	.05	2.03	1.14E+04	1.484E-02	1.413E-02	1.786	8.338E-03	3.8484E-04	3.6541E-04	SINTON	
41	92.12	-1.91	.12	2.03	9.47E+03	1.239E-02	1.173E-02	1.483	8.334E-03	3.1096E-04	2.9521E-04	SINTON	
42	92.13	-1.91	0.13	2.03	7.80E+03	9.984E-03	9.480E-03	1.196	8.348E-03	3.2422E-04	3.0786E-04	SINTON	
43	92.55	-1.91	0.55	2.03	7.99E+03	1.041E-02	9.886E-03	1.248	8.345E-03	2.9367E-04	2.7896E-04	SINTON	
44	93.23	-1.91	1.23	2.03	7.24E+03	9.430E-03	8.955E-03	1.126	8.374E-03	2.8358E-04	2.6928E-04	SINTON	
45	94.47	-1.91	2.47	2.03	6.99E+03	9.106E-03	8.647E-03	1.084	8.404E-03	2.8963E-04	2.7503E-04	SINTON	
				2.03	7.14E+03	9.301E-03	8.832E-03	1.097	8.477E-03				

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN(22) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPS (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
46	95.74	-0.00	0.00	2.03	1.13E+03	6.053E-36	6.053E-36	.000	8.548E-03	1.8849E-37	1.8849E-37	SINTON
47	97.00	-0.00	0.00	2.03	1.13E+03	9.955E-32	6.069E-29	.000	8.619E-03	3.1606E-31	1.8930E-37	SINTON
48	99.55	-0.00	0.00	2.03	1.13E+03	6.053E-36	6.053E-36	.000	8.759E-03	1.8849E-37	1.8849E-37	SINTON
49	102.09	-0.00	0.00	2.03	1.13E+03	6.053E-36	6.936E-29	.000	8.877E-03	1.8850E-37	2.1608E-38	SINTON
50	104.64	-0.00	0.00	2.03	1.13E+03	6.053E-36	6.053E-36	.000	8.990E-03	1.8850E-37	1.8849E-37	SINTON
65	91.82	3.11	2.03	2.03	5.35E+02	7.123E-21	6.936E-29	.000	8.399E-03	2.2206E-22	2.1602E-38	SINTON
66	91.95	3.11	1.47	2.03	1.05E+03	1.888E-23	6.053E-36	.000	8.407E-03	5.8808E-25	1.8849E-37	SINTON
67	91.95	3.11	.99	2.03	1.25E+03	1.381E-41	1.895E-29	.000	8.407E-03	4.3006E-43	5.9003E-39	SINTON
68	91.95	3.11	.51	2.03	1.57E+03	1.734E-41	6.053E-36	.000	8.407E-03	5.4006E-43	1.8849E-37	SINTON
69	91.95	3.11	.26	2.03	2.03E+03	6.053E-36	1.895E-29	.000	8.407E-03	1.8850E-37	5.9003E-31	SINTON

RE/M= 2.36BE+06

71	91.95	20.53	3.45	+.06	1.43E+03	1.815E-03	1.724E-03	.204	8.911E-03	5.7152E-05	5.4344E-05	SINTON
72	91.95	20.53	3.01	+.06	1.77E+03	2.243E-03	2.131E-03	.252	8.911E-03	7.0636E-05	5.7107E-05	SINTON
73	91.95	20.53	2.51	+.06	2.44E+03	3.089E-03	2.940E-03	.347	8.911E-03	9.7408E-05	9.2560E-05	SINTON
74	91.95	20.53	2.01	+.06	3.03E+03	7.047E-03	7.264E-03	.855	8.911E-03	2.4662E-04	2.5875E-04	SINTON
75	91.95	20.53	1.52	+.06	1.77E+04	2.254E-02	2.144E-02	2.529	8.911E-03	7.6973E-04	6.7410E-04	SINTON
76	91.95	20.53	1.24	+.06	5.45E+02	6.931E-04	6.595E-04	.078	8.911E-03	2.1820E-05	2.1.71E-05	SINTON
77	91.95	20.53	1.00	+.06	1.91E+03	2.441E-03	2.314E-03	.274	8.911E-03	7.6876E-05	7.3417E-05	SINTON
78	91.95	20.53	.76	+.06	1.71E+03	2.190E-03	2.080E-03	.246	8.911E-03	6.8975E-05	6.5505E-05	SINTON
79	91.95	20.53	.50	+.06	1.70E+03	2.180E-03	2.070E-03	.245	8.911E-03	6.8644E-05	6.5191E-05	SINTON
80	91.95	20.53	.26	+.06	1.62E+03	2.077E-03	1.973E-03	.233	8.911E-03	6.5423E-05	6.2124E-05	SINTON
81	92.03	20.53	.05	+.06	1.82E+03	2.336E-03	2.217E-03	.262	8.912E-03	7.3546E-05	6.9830E-05	SINTON
82	92.18	20.53	0.00	+.06	2.12E+03	2.721E-03	2.584E-03	.305	8.918E-03	8.5763E-05	8.1377E-05	SINTON
83	92.72	20.53	0.00	+.06	2.97E+03	3.817E-03	3.624E-03	.427	8.933E-03	1.2019E-04	1.1412E-04	SINTON
84	93.22	20.53	0.00	+.06	4.24E+03	5.453E-03	5.177E-03	.609	8.947E-03	1.7171E-04	1.6303E-04	SINTON
85	94.46	20.53	0.00	+.06	1.41E+04	1.812E-02	1.720E-02	2.017	8.982E-03	5.7065E-04	5.4183E-04	SINTON
86	95.76	20.53	0.00	+.06	1.57E+04	2.024E-02	1.922E-02	2.248	9.004E-03	6.3735E-04	6.0511E-04	SINTON
87	97.02	20.53	0.00	+.06	1.66E+04	2.386E-02	2.266E-02	2.647	9.014E-03	7.5145E-04	7.134AE-04	SINTON
88	99.55	20.53	0.00	+.06	1.32E+04	1.697E-02	1.612E-02	1.879	9.035E-03	5.3451E-04	5.0749E-04	SINTON
89	102.08	20.53	0.00	+.06	1.05E+04	1.345E-02	1.277E-02	1.457	9.231E-03	4.2386E-04	4.0225E-04	SINTON
90	104.63	20.53	0.00	+.06	8.47E+03	1.089E-02	1.034E-02	1.158	9.465E-03	3.4291E-04	3.2557E-04	SINTON

AMES 3.5 FT WING TUNNEL TEST(1154), G. BLUMER RSI TILE GAPS RUN(23) 1973 PAGE 33

TT = 1.8465E+03(K) CONF= 2.10
PT = 9.2914E+05(N/M2) GAP = .127 CM
HT = 1.2129E+07(J/KG) STEP = 3.175(CM)
RE/M-THETA= 2.5264E+06
MACH = 5.80
GG = 1.4810E+03(M/M2)
HAW/HT =0.907 FOR HT
HAW/HI =0.874 FOR HL

TYP	X (CM)	YY (CM)	ZZ (CM)	GAP-U (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	2.526E+06
1	91.57	-21.54	.75	1.02	1.25E+04	1.670E-03	1.591E-03	.195	8.615E-03	5.0917E-05	4.9234E-05	SINTON	
2	91.57	-21.54	.51	1.02	4.53E+03	6.069E-03	5.759E-03	.704	8.615E-03	1.8402E-04	1.7467E-04	SINTON	
3	91.57	-21.54	.28	1.02	9.43E+03	1.256E-02	1.201E-02	1.469	8.615E-03	3.8383E-04	3.6429E-04	SINTON	
4	91.57	-21.27	.75	1.02	9.34E+03	1.172E-02	1.063E-02	1.301	8.607E-03	3.5954E-04	3.2224E-04	SINTON	
5	91.57	-21.54	.75	1.02	9.43E+03	1.328E-02	1.256E-02	1.541	8.612E-03	4.0206E-04	3.8019E-04	SINTON	
6	91.57	-21.72	1.11	1.02	9.25E+04	1.682E-02	1.597E-02	1.956	8.600E-03	5.1021E-04	4.8419E-04	SINTON	
7	92.02	-21.54	1.30	1.02	1.67E+04	2.252E-02	2.137E-02	2.622	8.591E-03	6.8303E-04	6.4819E-04	SINTON	
8	92.32	-21.54	1.30	1.02	1.27E+04	1.706E-02	1.613E-02	1.993	8.576E-03	5.1737E-04	4.8938E-04	SINTON	
9	92.82	-21.54	1.30	1.02	1.03E+04	1.383E-02	1.312E-02	1.617	8.559E-03	4.1942E-04	3.9803E-04	SINTON	
10	94.33	-21.54	1.30	1.02	8.03E+03	1.075E-02	1.020E-02	1.267	8.543E-03	3.2569E-04	3.0929E-04	SINTON	
11	95.14	-21.54	1.30	1.02	7.63E+03	1.025E-02	9.727E-03	1.214	8.446E-03	3.1065E-04	2.9501E-04	SINTON	
12	96.64	-21.54	1.30	1.02	7.67E+03	1.017E-02	9.649E-03	1.199	8.488E-03	3.0833E-04	2.9262E-04	SINTON	
13	99.19	-21.54	1.30	1.02	6.75E+03	9.079E-03	8.616E-03	1.060	8.568E-03	2.7533E-04	2.6130E-04	SINTON	
14	101.72	-21.54	1.30	1.02	6.43E+03	8.622E-03	8.184E-03	1.031	8.365E-03	2.6156E-04	2.4819E-04	SINTON	
15	104.27	-21.54	1.30	1.02	7.23E+03	9.715E-03	9.222E-03	1.210	8.328E-03	2.9467E-04	2.7963E-04	SINTON	
16	91.44	-21.03	1.02	1.02	4.57E+02	6.190E-04	5.791E-04	.071	8.621E-03	1.8501E-05	1.7564E-05	SINTON	
17	91.44	-14.14	1.02	1.02	2.54E+02	3.393E-04	3.222E-04	.040	8.580E-03	1.0292E-05	9.7705E-06	SINTON	
18	91.57	-19.94	.75	1.02	1.16E+03	1.555E-03	1.476E-03	.181	8.576E-03	4.7149E-05	4.4757E-05	SINTON	
19	91.57	-19.44	.51	1.02	3.02E+03	4.046E-03	4.600E-03	.565	8.576E-03	1.4697E-04	1.3956E-04	SINTON	
20	91.57	-19.44	.25	1.02	8.23E+03	1.104E-02	1.048E-02	1.287	8.576E-03	3.3482E-04	3.1778E-04	SINTON	
												RE/M=	2.398E+06
61	91.44	3.11	.25	2.03	3.60E+03	4.670E-03	4.436E-03	.553	8.291E-03	1.4521E-04	1.3793E-04	SINTUP	
62	91.44	3.11	.51	2.03	2.01E+03	2.554E-03	2.426E-03	.304	8.291E-03	7.9394E-05	7.5417E-05	SINTUP	
63	91.44	3.11	.89	2.03	8.71E+02	1.107E-03	1.052E-03	.134	8.291E-03	3.4430E-05	3.2709E-05	SINTUP	
64	91.44	3.11	1.27	2.03	1.99E+02	2.529E-04	2.402E-04	.031	8.291E-03	7.8625E-06	7.4694E-06	SINTUP	
26	91.44	-3.03	.89										
27	91.44	-3.03	.75										
28	91.44	-3.03	.49										
29	91.44	-3.03	1.72										
30	91.44	-3.03	1.52										
31	91.44	-3.03	2.03	2.03	1.26E+02	1.601E-04	1.521E-04	.019	8.223E-03	4.9764E-06	4.7278E-06	SINTON	
32	91.57	-3.03	1.77	2.03	2.44E+02	3.191E-04	2.943E-04	.036	8.229E-03	9.7963E-06	9.3066E-06	SINTON	
33	91.57	-3.03	1.51	2.03	6.24E+02	7.934E-04	7.537E-04	.096	8.229E-03	2.4666E-05	2.3434E-05	SINTON	
34	91.57	-3.03	1.27	2.03	1.24E+03	1.578E-03	1.309E-03	.167	8.229E-03	4.2835E-05	4.0693E-05	SINTON	
35	91.57	-3.03	.49	2.03	1.72E+03	2.184E-03	2.075E-03	.265	8.223E-03	6.7911E-05	6.4515E-05	SINTON	
36	91.57	-3.03	.75	2.03	2.74E+03	3.496E-03	3.321E-03	.425	8.229E-03	1.0870E-04	1.0325E-04	SINTON	
37	91.57	-3.03	.89	2.03	5.04E+03	6.443E-03	6.119E-03	.783	8.229E-03	2.0031E-04	1.9029E-04	SINTON	
38	91.57	-3.03	.89	2.03	1.48E+04	1.849E-02	1.756E-02	2.247	8.223E-03	5.7483E-04	5.4591E-04	SINTON	
39	91.57	-3.03	.62	2.03	1.75E+04	2.230E-02	2.124E-02	2.715	8.235E-03	6.9522E-04	6.6026E-04	SINTON	
40	91.57	-3.03	.13	2.03	1.84E+04	2.354E-02	2.243E-02	2.866	8.232E-03	7.3343E-04	6.9649E-04	SINTON	
4	91.73	.32	1.11	2.03	2.02E+04	2.578E-02	2.449E-02	3.127	8.244E-03	8.0160E-04	7.6129E-04	SINTON	
42	91.41	-3.30	1.75	2.03	1.99E+04	2.627E-02	2.495E-02	3.188	8.241E-03	8.1083E-04	7.7058E-04	SINTON	
43	91.14	-3.03	2.03	2.03	1.44E+04	1.819E-02	1.725E-02	2.199	8.266E-03	5.6518E-04	5.3678E-04	SINTON	
44	90.89	-3.03	2.13	2.03	1.19E+04	1.491E-02	1.405E-02	1.786	8.293E-03	4.6044E-04	4.3725E-04	SINTON	
45	90.13	-3.03	2.13	2.03	9.84E+03	1.238E-02	1.176E-02	1.481	8.357E-03	3.8480E-04	3.6546E-04	SINTON	
46	88.85	-3.03	2.13	2.03	7.68E+03	9.919E-03	9.426E-03	1.187	8.413E-03	3.0530E-04	2.8995E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(158), G. BLUMER RSI TILE GAPS RUN(23) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
47	96.52	-3.00	0.00	2.03	8.93E+03	1.064E-02	1.011E-02	1.256	8.472E-03	3.3085E-04	3.1422E-04	SINTON
48	99.17	-0.00	0.00	2.03	7.41E+03	9.457E-03	8.982E-03	1.102	8.581E-03	2.9403E-04	2.7926E-04	SINTON
49	101.70	-0.00	0.00	2.03	7.29E+03	9.312E-03	8.846E-03	1.075	8.664E-03	2.8952E-04	2.7497E-04	SINTON
50	104.25	-0.00	0.00	2.03	7.49E+03	9.557E-03	9.077E-03	1.094	8.736E-03	2.9715E-04	2.8223E-04	SINTON
65	91.44	3.11	2.33	2.03	1.60E+02	3.296E-04	3.131E-04	.040	8.291E-03	1.0248E-05	9.7355E-06	SINTON
66	91.57	3.11	1.47	2.03	7.62E+02	9.725E-04	9.239E-04	.117	8.298E-03	3.0238E-05	2.8726E-05	SINTON
67	91.57	3.11	.98	2.03	2.11E+03	2.689E-03	2.553E-03	.324	8.298E-03	8.357bE-05	7.9393E-05	SINTON
68	91.57	3.11	.91	2.03	6.23E+03	6.667E-03	6.333E-03	.803	8.298E-03	2.0730E-04	1.9689E-04	SINTON
69	91.57	3.11	.20	2.03	1.67E+04	2.140E-02	2.033E-02	2.579	8.298E-03	6.6545E-04	6.3200E-04	SINTON

RE/M= 2.318E+06

71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.58									
74	91.57	20.53	2.41									
75	91.57	20.53	1.92	4.06	2.11E+02	2.609E-04	2.490E-04	.030	8.670E-03	6.2403E-06	7.8303E-06	SINTON
76	91.57	20.53	1.74	4.06	3.95E+02	4.873E-04	4.633E-04	.056	8.670E-03	1.5397E-05	1.4631E-05	SINTON
77	91.57	20.53	1.00	4.06	2.19E+02	1.014E-03	9.632E-04	.117	8.670E-03	3.2013E-05	3.0429E-05	SINTON
78	91.57	20.53	.74	4.06	2.01E+03	2.486E-03	2.362E-03	.287	8.670E-03	7.8507E-05	7.4591E-05	SINTON
79	91.57	20.53	.50	4.06	4.29E+03	4.245E-03	4.071E-03	.494	8.670E-03	1.3533E-04	1.2856E-04	SINTON
80	91.57	20.53	.24	4.06	1.29E+04	1.559E-02	1.476E-02	1.793	8.670E-03	4.9082E-04	4.6624E-04	SINTON
81	91.62	20.53	.05	4.06	1.49E+04	1.832E-02	1.754E-02	2.130	8.670E-03	5.8483E-04	5.5543E-04	SINTON
82	91.48	20.53	1.00	4.06	1.72E+04	2.149E-02	2.041E-02	2.478	8.673E-03	6.7883E-04	6.4474E-04	SINTON
83	92.33	20.53	0.00	4.06	1.21E+04	1.514E-02	1.438E-02	1.744	8.680E-03	4.7823E-04	4.5423E-04	SINTON
84	92.83	20.53	0.00	4.06	1.06E+04	1.326E-02	1.259E-02	1.526	8.687E-03	4.1879E-04	3.9773E-04	SINTON
85	94.08	20.53	0.00	4.06	9.02E+03	1.129E-02	1.071E-02	1.296	8.704E-03	3.5629E-04	3.3838E-04	SINTON
86	95.38	20.53	0.00	4.06	7.87E+03	9.841E-03	9.346E-03	1.129	8.714E-03	3.1078E-04	2.9515E-04	SINTON
87	96.64	20.53	0.00	4.06	7.16E+03	8.961E-03	8.510E-03	1.029	8.705E-03	2.8301E-04	2.6877E-04	SINTON
88	99.17	20.53	0.00	4.06	6.35E+03	7.964E-03	7.562E-03	.917	8.689E-03	2.5150E-04	2.3883E-04	SINTON
89	101.70	20.53	0.00	4.06	7.50E+03	9.413E-03	8.938E-03	1.071	8.792E-03	2.9728E-04	2.8228E-04	SINTON
90	104.25	20.53	0.00	4.06	7.53E+03	9.454E-03	8.977E-03	1.056	8.953E-03	2.9858E-04	2.8351E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(15A), G. BLUMER RSI TILE GAPS RUN(24) 1973 PAGE 35

TT = 1.150[illegible]E+03(K) CONF= 2.00
PT = [illegible]E+05(N/M2) GAP = .254 CM
HT = 1.2[illegible]E+06(J/KG) STEP = 3.175(CM)
RE/MFT= 2.[illegible]E+06
MACH = 5.10
QS = 1.1247[illegible]E+05(W/M2)
HAW/HT =[illegible] FOR HT
HAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPC (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.585E+06
1	91.[illegible]	-20.[illegible]	.75	1.02	2.1[illegible]E+03	2.901E-03	2.754E-03	.339	8.551E-03	8.8310E-05	8.3829E-05	SINTON	
2	91.[illegible]	-20.[illegible]	.51	1.02	[illegible].30E+03	6.660E-03	6.321E-03	.779	8.551E-03	2.0274E-04	1.9244E-04	SINTON	
3	91.[illegible]	-20.[illegible]	.25	1.02	8.[illegible]E+03	1.102E-02	1.046E-02	1.288	8.551E-03	3.3540E-04	3.1834E-04	SINTON	
4	91.[illegible]	-20.[illegible]	.10	1.02	5.48E+03	7.945E-03	7.446E-03	.916	8.544E-03	2.3802E-04	2.2667E-04	SINTON	
5	91.[illegible]	-20.[illegible]	.05	1.02	8.27[illegible]+03	1.104E-02	1.047E-02	1.291	8.549E-03	3.3597E-04	3.1887E-04	SINTON	
6	91.[illegible]	-20.[illegible]	0.00	1.02	1.04E+04	1.383E-02	1.313E-02	1.620	8.537E-03	4.2107E-04	3.9963E-04	SINTON	
7	92.[illegible]	-20.[illegible]	0.03	1.02	1.[illegible]E+04	2.207E-02	2.094E-02	2.588	8.526E-03	6.7174E-04	6.3753E-04	SINTON	
8	92.[illegible]	-20.[illegible]	0.10	1.02	1.25E+04	1.663E-02	1.579E-02	1.954	8.510E-03	5.0633E-04	4.8054E-04	SINTON	
9	92.[illegible]	-20.[illegible]	0.30	1.02	1.01E+04	1.348E-02	1.279E-02	1.589	8.483E-03	4.1027E-04	3.8937E-04	SINTON	
10	94.[illegible]	-20.[illegible]	0.00	1.02	7.98E+03	1.061E-02	1.007E-02	1.262	8.412E-03	3.2311E-04	3.0667E-04	SINTON	
11	95.[illegible]	-20.[illegible]	0.10	1.02	7.56E+03	1.013E-02	9.619E-03	1.209	8.381E-03	3.0852E-04	2.9262E-04	SINTON	
12	96.77	-20.[illegible]	0.03	1.02	7.98E+03	1.025E-02	9.729E-03	1.218	8.416E-03	3.1204E-04	2.9617E-04	SINTON	
13	99.[illegible]	-20.[illegible]	0.00	1.02	6.02E+03	9.890E-03	8.627E-03	1.072	8.482E-03	2.7671E-04	2.6204E-04	SINTON	
14	101.85	-20.[illegible]	0.00	1.02	6.57E+03	8.751E-03	8.306E-03	1.063	8.234E-03	2.6640E-04	2.5285E-04	SINTON	
15	104.19	-20.[illegible]	0.00	1.02	7.48E+03	9.965E-03	9.459E-03	1.266	7.869E-03	3.0337E-04	2.8796E-04	SINTON	
16	91.07	-20.[illegible]	1.02	1.02	1.03E+02	1.375E-04	1.303E-04	.016	8.558E-03	4.1793E-06	3.9677E-06	SINTON	
17	91.57	-19.[illegible]	1.02	1.02	7.05E+01	9.360E-05	8.863E-05	.011	8.520E-03	2.8494E-06	2.7050E-06	SINTON	
18	91.59	-19.46	.76	1.02	2.17E+03	2.890E-03	2.743E-03	.339	8.515E-03	8.7970E-05	8.3507E-05	SINTON	
19	91.59	-19.[illegible]	.51	1.02	4.43E+03	5.906E-03	5.606E-03	.694	8.515E-03	1.7979E-04	1.7065E-04	SINTON	
20	91.59	-19.[illegible]	.25	1.02	7.35E+03	9.797E-03	9.299E-03	1.150	8.515E-03	2.9824E-04	2.8309E-04	SINTON	
													RE/M= 2.611E+06
61	91.44	3.11	.25	2.03	7.27E+03	9.956E-03	8.885E-03	1.120	8.352E-03	2.8974E-04	2.7516E-04	SINTUP	
62	91.44	3.11	.51	2.03	2.63E+03	3.387E-03	3.217E-03	.406	8.352E-03	1.0489E-04	9.9618E-05	SINTUP	
63	91.44	3.11	.76	2.03	1.76E+03	2.256E-03	2.143E-03	.270	8.352E-03	6.9872E-05	6.6361E-05	SINTUP	
64	91.44	3.11	1.47	2.03	6.04E+02	7.748E-04	7.358E-04	.093	8.352E-03	2.3994E-05	2.2789E-05	SINTUP	
26	91.44	-0.00	.49										
27	91.44	-0.00	.76										
28	91.44	-0.00	.99										
29	91.44	-0.00	1.52										
30	91.44	-0.00	1.52										
31	91.37	-0.00	2.03	2.03	3.35E+02	3.906E-04	3.710E-04	.047	8.287E-03	1.2097E-05	1.1490E-05	SINTON	
32	91.69	-0.00	1.77	2.03	5.18E+02	1.047E-03	9.944E-04	.126	8.294E-03	3.2425E-05	3.0796E-05	SINTON	
33	91.69	-0.00	1.51	2.03	1.09E+03	1.401E-03	1.331E-03	.169	8.294E-03	4.3396E-05	4.1215E-05	SINTON	
34	91.69	-0.00	1.22	2.03	1.47E+03	1.896E-03	1.800E-03	.229	8.294E-03	5.8705E-05	5.5754E-05	SINTON	
35	91.69	-0.00	.99	2.03	1.90E+03	2.447E-03	2.324E-03	.295	8.294E-03	7.5797E-05	7.1984E-05	SINTON	
36	91.69	-0.00	.75	2.03	2.55E+03	3.286E-03	3.120E-03	.396	8.294E-03	1.0176E-04	9.6639E-05	SINTON	
37	91.69	-0.00	.48	2.03	4.57E+03	5.892E-03	5.595E-03	.710	8.294E-03	1.8246E-04	1.7326E-04	SINTON	
38	91.69	-0.00	.27	2.03	1.34E+04	1.724E-02	1.641E-02	2.084	8.294E-03	5.3519E-04	5.0819E-04	SINTON	
39	91.69	.32	.13	2.03	1.69E+04	1.997E-02	1.896E-02	2.405	8.301E-03	6.1838E-04	5.8719E-04	SINTON	
40	91.74	-0.03	.05	2.03	1.75E+04	2.263E-02	2.149E-02	2.728	8.297E-03	7.0094E-04	6.6555E-04	SINTON	
41	91.40	.32	0.01	2.03	1.96E+04	2.499E-02	2.373E-02	3.007	8.310E-03	7.7399E-04	7.3496E-04	SINTON	
42	91.[illegible]	-0.03	0.01	2.03	2.03E+04	2.626E-02	2.494E-02	3.161	8.308E-03	8.1346E-04	7.7233E-04	SINTON	
43	92.[illegible]	-0.03	0.03	2.03	1.39E+04	1.791E-02	1.700E-02	2.148	8.335E-03	5.5458E-04	5.2657E-04	SINTON	
44	92.[illegible]	-0.00	0.00	2.03	1.14E+04	1.471E-02	1.397E-02	1.759	8.364E-03	4.5561E-04	4.3260E-04	SINTON	
45	96.22	-0.00	0.00	2.03	9.04E+03	1.23[illegible]E-02	1.168E-02	1.458	8.435E-03	3.8097E-04	3.6175E-04	SINTON	
46	95.48	-0.00	0.00	2.03	7.03E+03	9.860E-03	9.343E-03	1.157	8.504E-03	3.0473E-04	2.8936E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1548, C. BLUMER RSI TILE GAPS RUN# 240 1973 PAGE 36

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HRLFF	HRLFF (KG/M2-S)	SIL	STI	GAP-TYPE	RL/M= 2.339E+06
47	96.75	-0.00	0.00	2.03	8.30E+03	1.03E-02	9.79E-03	1.204	8.57E-03	3.19E-04	3.03E-04	SINTON	
48	99.29	-0.00	0.00	2.03	7.20E+03	9.31E-03	8.88E-03	1.075	8.70E-03	2.89E-04	2.75E-04	SINTON	
49	101.83	-0.00	0.00	2.03	7.07E+03	9.11E-03	8.65E-03	1.034	8.81E-03	2.82E-04	2.67E-04	SINTON	
50	104.38	-0.00	0.00	2.03	7.11E+03	9.16E-03	8.69E-03	1.020	8.98E-03	2.83E-04	2.69E-04	SINTON	
65	91.57	3.81	2.03	2.03	2.70E+02	7.32E-04	6.95E-04	.088	8.36E-03	2.26E-05	2.15E-05	SINTON	
66	91.69	3.81	1.47	2.03	1.19E+03	1.48E-03	1.41E-03	.175	8.36E-03	4.60E-05	4.37E-05	SINTON	
67	91.69	3.81	.39	2.03	2.57E+03	3.30E-03	3.13E-03	.394	8.36E-03	1.02E-04	9.70E-05	SINTON	
68	91.69	3.81	.21	2.03	5.25E+03	6.75E-03	6.41E-03	.808	8.36E-03	2.09E-04	1.98E-04	SINTON	
69	91.69	3.81	.26	2.03	1.68E+04	2.17E-02	2.06E-02	2.593	8.36E-03	6.71E-04	6.38E-04	SINTON	
71	91.69	20.53	3.45	.06	5.50E+02	6.85E-04	6.24E-04	.078	8.80E-03	2.15E-05	2.04E-05	SINTON	
72	91.69	20.53	1.01	.06	1.50E+03	1.87E-03	1.70E-03	.213	8.80E-03	5.86E-05	5.59E-05	SINTON	
73	91.69	20.53	2.51	.06	3.49E+03	2.01E-03	1.93E-03	.231	8.80E-03	6.40E-05	6.08E-05	SINTON	
74	91.69	20.53	2.41	.06	1.47E+03	1.83E-03	1.74E-03	.209	8.80E-03	5.76E-05	5.48E-05	SINTON	
75	91.69	20.53	1.52	.06	1.49E+03	1.82E-03	1.73E-03	.207	8.82E-03	5.73E-05	5.44E-05	SINTON	
76	91.69	20.53	1.2*	.06	1.53E+03	1.90E-03	1.81E-03	.217	8.80E-03	5.99E-05	5.69E-05	SINTON	
77	91.69	20.53	1.00	.06	1.49E+03	1.81E-03	1.72E-03	.206	8.80E-03	5.69E-05	5.41E-05	SINTON	
78	91.69	20.51	.74	.06	2.03E+03	2.61E-03	2.48E-03	.297	8.80E-03	8.22E-05	7.81E-05	SINTON	
79	91.69	20.53	.50	.06	3.17E+03	3.97E-03	3.77E-03	.451	8.80E-03	1.24E-04	1.18E-04	SINTON	
80	91.69	20.53	.24	.06	2.38E+04	1.35E-02	1.28E-02	1.537	8.80E-03	4.26E-04	4.03E-04	SINTON	
81	91.74	20.53	.05	.06	1.15E+04	1.45E-02	1.38E-02	1.655	8.80E-03	4.57E-04	4.34E-04	SINTON	
82	91.93	20.53	0.00	.06	1.57E+04	1.97E-02	1.87E-02	2.242	8.81E-03	6.20E-04	5.89E-04	SINTON	
83	92.46	20.53	0.00	.06	1.23E+04	1.53E-02	1.46E-02	1.742	8.82E-03	4.82E-04	4.58E-04	SINTON	
84	92.96	20.53	0.00	.06	1.32E+04	1.28E-02	1.22E-02	1.456	8.83E-03	4.03E-04	3.83E-04	SINTON	
85	94.21	20.53	0.00	.06	8.70E+03	1.09E-02	1.04E-02	1.237	8.80E-03	3.44E-04	3.27E-04	SINTON	
86	95.51	20.53	0.00	.06	7.96E+03	1.04E-02	9.58E-03	1.127	8.80E-03	3.16E-04	2.99E-04	SINTON	
87	96.76	20.53	0.00	.06	7.42E+03	9.36E-03	8.89E-03	1.054	8.80E-03	2.90E-04	2.79E-04	SINTON	
88	99.29	20.53	0.00	.06	7.06E+03	8.84E-03	8.40E-03	.995	8.80E-03	2.77E-04	2.63E-04	SINTON	
89	101.83	20.53	0.00	.06	7.55E+03	9.56E-03	9.07E-03	1.058	8.83E-03	3.00E-04	2.84E-04	SINTON	
90	104.38	20.53	0.00	.06	7.93E+03	1.00E-02	9.52E-03	1.106	9.23E-03	3.15E-04	2.99E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(25) 1973 PAGE 37

TT = 1.1241E+03(K) CONF= 2.10
PT = 9.3595E+05(N/M2) GAP = .254 CM
HT = 1.1935E+08(J/KG) STEP = .159(CM)
RE/METER= 2.6032E+06
MACH = 7.16
QS = 1.0984E+05(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.474 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	2.609E+06
1	91.62	-20.54	.75	1.02	6.00E+01	8.220E-05	7.800E-05	.009	8.831E-03	2.4463E-06	2.3213E-06	SINTON	
2	91.79	-20.54	.51	1.02	1.93E+02	2.649E-04	2.513E-04	.030	8.831E-03	7.8837E-06	7.4805E-06	SINTON	
3	91.9	-20.54	.28	1.02	8.82E+02	1.209E-03	1.147E-03	.137	8.831E-03	3.5990E-05	3.4148E-05	SINTON	
4	91. 9	-20.22	.10	1.02	1.20E+03	1.646E-03	1.561E-03	.187	8.822E-03	4.8975E-05	4.6467E-05	SINTON	
5	91.74	-20.54	.05	1.02	1.61E+03	2.209E-03	2.096E-03	.250	8.829E-03	6.5755E-05	6.2387E-05	SINTON	
6	91.32	-20.22	0.00	1.02	1.90E+03	2.588E-03	2.455E-03	.294	8.817E-03	7.7018E-05	7.3072E-05	SINTON	
7	92.15	-20.54	0.00	1.02	2.33E+03	3.200E-03	3.036E-03	.363	8.812E-03	9.5236E-05	9.0355E-05	SINTON	
8	92.45	-20.54	0.00	1.02	3.07E+03	5.318E-03	5.045E-03	.604	8.800E-03	1.5026E-04	1.5014E-04	SINTON	
9	92.93	-20.54	0.00	1.02	4.31E+03	5.921E-03	5.617E-03	.674	8.780E-03	1.7623E-04	1.6718E-04	SINTON	
10	94.22	-20.54	0.00	1.02	4.33E+03	5.958E-03	5.652E-03	.683	8.728E-03	1.7732E-04	1.6822E-04	SINTON	
11	95.46	-20.54	0.00	1.02	4.08E+03	6.711E-03	6.367E-03	.770	8.720E-03	1.9974E-04	1.8949E-04	SINTON	
12	96.77	-20.54	0.00	1.02	5.25E+03	7.363E-03	6.985E-03	.838	8.769E-03	2.1914E-04	2.0788E-04	SINTON	
13	99.31	-20.54	0.00	1.02	5.10E+03	7.815E-03	6.635E-03	.786	8.923E-03	2.0878E-04	1.9806E-04	SINTON	
14	101.85	-20.54	0.00	1.02	4.59E+03	6.305E-03	5.982E-03	.717	8.795E-03	1.8766E-04	1.7803E-04	SINTON	
15	104.39	-20.53	0.00	1.02	3.46E+03	4.758E-03	4.514E-03	.555	8.570E-03	1.4160E-04	1.3434E-04	SINTON	
16	91.57	-20.53	2.02										
17	91.57	-19.94	2.02										
18	91.69	-19.94	.76	1.02	6.26E+01	8.575E-05	8.137E-05	.010	8.790E-03	2.5521E-06	2.4217E-06	SINTON	
19	91.63	-18.94	.51	1.02	1.24E+02	1.780E-04	1.613E-04	.019	8.790E-03	5.8593E-06	4.8806E-06	SINTON	
20	91.69	-18.94	.25	1.02	8.36E+02	1.146E-03	1.037E-03	.130	8.790E-03	3.4111E-05	3.2366E-05	SINTON	
												RE/M=	2.499E+06
61	91.44	3.11	.26	2.03	2.13E+03	2.809E-03	2.666E-03	.326	8.607E-03	8.5227E-05	8.0902E-05	SINTUP	
62	91.44	3.11	.51	2.03	2.51E+02	3.311E-04	3.143E-04	.038	8.607E-03	1.0047E-05	9.5379E-06	SINTUP	
63	91.44	3.11	.98	2.03	1.05E+02	1.388E-04	1.318E-04	.016	8.607E-03	4.2112E-06	3.9981E-06	SINTUP	
64	91.44	3.11	1.47	2.03	1.93E+01	2.540E-05	2.412E-05	.003	8.607E-03	7.7874E-07	7.3176E-07	SINTUP	
26	91.44	-0.03	.48										
27	91.44	-0.03	.75										
28	91.44	-0.03	.94										
29	91.44	-0.03	1.22										
30	91.44	-0.03	1.52										
31	91.57	-0.03	2.03										
32	91.69	-0.03	1.77	2.03	1.24E+01	1.698E-05	1.612E-05	.002	8.540E-03	5.1317E-07	4.8415E-07	SINTON	
33	91.63	-0.03	1.51										
34	91.69	-0.03	1.22	2.03	1.99E+01	2.618E-05	2.486E-05	.003	8.540E-03	7.9437E-07	7.5421E-07	SINTON	
35	91.69	-0.03	.99	2.03	1.70E+02	2.234E-04	2.121E-04	.026	8.540E-03	6.7787E-06	6.4358E-06	SINTON	
36	91.69	-0.03	.75	2.03	1.44E+01	1.895E-05	1.799E-05	.002	8.540E-03	5.7502E-07	5.4592E-07	SINTON	
37	91.69	-0.03	.48	2.03	1.12E+02	1.473E-04	1.398E-04	.017	8.540E-03	4.4688E-06	4.2426E-06	SINTON	
38	91.69	-0.03	.27	2.03	2.22E+02	2.925E-04	2.777E-04	.034	8.540E-03	8.8754E-06	8.4257E-06	SINTON	
39	91.69	.32	.13	2.03	8.47E+02	1.119E-03	1.062E-03	.131	8.548E-03	3.3932E-05	3.2211E-05	SINTON	
40	91.74	-0.03	.35	2.03	1.40E+03	1.953E-03	1.854E-03	.229	8.544E-03	5.9249E-05	5.6246E-05	SINTON	
41	91.96	.12	0.00	2.03	1.61E+03	2.122E-03	2.014E-03	.248	8.562E-03	6.4381E-05	6.1115E-05	SINTON	
42	91.44	-0.03	0.00	2.03	2.49E+03	3.293E-03	3.126E-03	.385	8.560E-03	9.9916E-05	9.4852E-05	SINTON	
43	92.43	-0.03	0.00	2.03	2.73E+03	3.609E-03	3.425E-03	.420	8.593E-03	1.0948E-04	1.0392E-04	SINTON	
44	92.93	-0.03	0.00	2.03	4.02E+03	5.317E-03	5.047E-03	.615	8.640E-03	1.6134E-04	1.5314E-04	SINTON	
45	94.22	-0.03	0.00	2.03	4.30E+03	5.684E-03	5.395E-03	.650	8.740E-03	1.7246E-04	1.6370E-04	SINTON	
46	95.46	-0.03	0.00	2.03	4.73E+03	6.290E-03	5.970E-03	.711	8.845E-03	1.9085E-04	1.8116E-04	SINTON	
47	96.76	-1.00	0.00	2.03	4.29E+03	5.679E-03	5.390E-03	.634	8.959E-03	1.7231E-04	1.6356E-04	SINTON	
48	99.29	-1.00	0.00	2.03	5.42E+03	7.174E-03	6.809E-03	.781	9.188E-03	2.1766E-04	2.0651E-04	SINTON	
49	101.83	-0.98	0.00	2.03	5.27E+03	6.973E-03	6.619E-03	.741	9.416E-03	2.1158E-04	2.0084E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1581). C. BLUMER RSI TILE GAPS RUN(25) 1973 PAGE 38

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HR_EFF	HR_EFF (KG/M2-S)	STL	STT	GAP-TYPE
65	91.57	3.11	2.03	2.03	3.09E+03	4.089E-03	3.882E-03	.475	8.618E-03	1.2408E-04	1.1779E-04	SINTON
66	91.63	3.11	1.47	2.03	7.14E+01	9.390E-05	8.915E-05	.011	8.629E-03	2.8491E-06	2.7052E-06	SINTON
67	91.63	3.11	.99									
68	91.63	3.11	.51									
69	91.63	3.11	.26	2.03	3.49E+01	4.606E-05	4.373E-05	.005	8.629E-03	1.3976E-06	1.3268E-06	SINTON
0	221.20	20.64	0.00	0.00	6.71E+02	8.861E-04	8.412E-04	.015	5.947E-02	2.6886E-05	2.5523E-05	PLATE
												hE/H= 2.426E+06
71	91.64	20.53	3.45									
72	91.64	20.53	3.01									
73	91.63	20.53	2.51									
74	91.64	20.53	2.01									
75	91.64	20.53	1.52									
76	91.63	20.53	1.24									
77	91.64	20.53	1.00									
78	91.63	20.53	.76									
79	91.63	20.53	.50	4.06	6.55E+01	8.429E-05	8.004E-05	.009	9.211E-03	2.5926E-06	2.4614E-06	SINTON
80	91.63	20.53	.26	4.06	4.65E+02	6.033E-04	5.700E-04	.065	9.211E-03	1.8466E-05	1.7529E-05	SINTON
81	91.74	20.53	.05	4.06	9.90E+02	1.277E-03	1.213E-03	.139	9.213E-03	3.9273E-05	3.7289E-05	SINTON
82	91.53	20.53	3.30	4.06	1.71E+03	2.225E-03	2.033E-03	.239	9.222E-03	6.7805E-05	6.4375E-05	SINTON
83	92.46	20.53	3.30	4.06	3.48E+03	4.467E-03	4.241E-03	.483	9.242E-03	1.3737E-04	1.3042E-04	SINTON
84	92.35	20.53	3.30	4.06	3.99E+03	5.160E-03	4.899E-03	.557	9.272E-03	1.5868E-04	1.5063E-04	SINTON
85	94.21	20.53	3.30	4.06	4.35E+03	5.639E-03	5.353E-03	.604	9.331E-03	1.7341E-04	1.6461E-04	SINTON
86	95.21	20.53	3.31	4.06	4.63E+03	6.007E-03	5.702E-03	.640	9.384E-03	1.8473E-04	1.7535E-04	SINTON
87	96.76	20.53	3.30	4.06	4.72E+03	6.124E-03	5.813E-03	.650	9.419E-03	1.8832E-04	1.7875E-04	SINTON
88	99.24	20.53	3.30	4.06	5.43E+03	7.053E-03	6.694E-03	.743	9.489E-03	2.1688E-04	2.0585E-04	SINTON
89	101.93	20.53	3.00	4.06	4.95E+03	6.311E-03	5.990E-03	.648	9.746E-03	1.9407E-04	1.8418E-04	SINTON
90	104.38	20.53	3.00	4.06	3.04E+03	3.952E-03	3.751E-03	.392	1.008E-02	1.2151E-04	1.1533E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(154), G. BLUMER RSI TILE GAPS RUN1 26) 1973 PAGE 39

TT = 1.0745E+03(K) CONF= 4.20
PT = 9.6541E+03(N/M2) GAP = .254 CM
HT = 1.1312E+06(J/KG) STEP = 0.0001(CM)
RE/METER= 1.5398E+05
MACH = 5.16
QS = 7.5332E+04(W/M2)
HAW/HT =0.987 FOR HT
HAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP) (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.540E+06
431	66.96	-20.34	0.00	1.02	6.80E+03	8.875E-03	8.411E-03	.954	9.301E-03	4.6466E-04	4.4419E-04	LNGEUP	
432	66.96	-20.34	.25	1.02	2.84E+03	4.192E-03	3.973E-03	.451	9.301E-03	2.2137E-04	2.0982E-04	LNGEUP	
433	66.96	-20.34	.51	1.02	5.74E+02	8.469E-04	8.027E-04	.091	9.301E-03	4.4721E-05	4.2389E-05	LNGEUP	
434	66.96	-20.34	.76	1.02	8.27E+01	1.220E-04	1.157E-04	.013	9.301E-03	6.4432E-06	6.1074E-06	LNGEUP	
435	66.96	-20.34	1.02										
201	91.69	-20.34	.25	1.02	5.54E+02	8.190E-04	7.753E-04	.109	7.497E-03	4.3197E-05	4.0944E-05	SINTON	
202	91.69	-20.34	.51	1.02	2.11E+03	3.115E-03	2.952E-03	.415	7.497E-03	1.6448E-04	1.5589E-04	SINTON	
203	91.69	-20.34	.76	1.02	7.82E+03	1.155E-02	1.095E-02	1.541	7.497E-03	6.0999E-04	5.7814E-04	SINTON	
204	91.69	-20.22	.10	1.02	7.82E+03	1.156E-02	1.096E-02	1.546	7.476E-03	6.1044E-04	5.7856E-04	SINTON	
205	91.74	-20.34	.05	1.02	1.14E+04	1.687E-02	1.599E-02	2.251	7.495E-03	8.9091E-04	8.4437E-04	SINTON	
206	91.82	-20.22	0.00	1.02	8.69E+03	1.286E-02	1.218E-02	1.721	7.471E-03	6.7898E-04	6.4342E-04	SINTON	
207	92.15	-20.34	0.00	1.02	1.24E+04	1.836E-02	1.740E-02	2.456	7.477E-03	9.6971E-04	9.1904E-04	SINTON	
208	92.45	-20.34	0.00	1.02	9.94E+03	1.471E-02	1.394E-02	1.971	7.464E-03	7.7701E-04	7.3638E-04	SINTON	
209	92.93	-20.34	0.00	1.02	8.81E+03	1.304E-02	1.235E-02	1.752	7.442E-03	6.8839E-04	6.5240E-04	SINTON	
210	94.22	-20.34	0.00	1.02	7.72E+03	1.142E-02	1.082E-02	1.546	7.386E-03	6.0305E-04	5.7153E-04	SINTON	
216	91.57	-20.57	1.02	1.02	1.19E+02	1.748E-04	1.657E-04	.023	7.502E-03	9.2333E-06	8.7521E-06	SINTON	
217	91.57	-18.94	1.02	1.02	7.05E+01	1.040E-04	9.861E-05	.014	7.402E-03	5.4936E-06	5.2072E-06	SINTON	
218	91.69	-19.94	.76	1.02	2.23E+02	3.291E-04	3.120E-04	.044	7.397E-03	1.7381E-05	1.6475E-05	SINTON	
219	91.69	-19.34	.51	1.02	5.59E+02	8.255E-04	7.825E-04	.112	7.397E-03	4.3595E-05	4.1321E-05	SINTON	
220	91.69	-19.34	.25	1.02	1.85E+03	2.734E-03	2.592E-03	.370	7.397E-03	1.4446E-04	1.3687E-04	SINTON	
													RE/M= 1.538E+06
401	65.72	-0.00	0.00	2.03	6.19E+03	9.108E-03	8.633E-03	.915	9.956E-03	4.8232E-04	4.5715E-04	LNGCUP	
402	65.72	-0.00	.13	2.03	6.00E+03	8.825E-03	8.364E-03	.886	9.956E-03	4.6731E-04	4.4293E-04	LNGCUP	
403	65.72	-0.00	.25	2.03	4.29E+03	6.284E-03	5.957E-03	.631	9.956E-03	3.3278E-04	3.1543E-04	LNGCUP	
404	65.72	-0.00	.51	2.03	1.90E+02	4.262E-04	4.040E-04	.043	9.956E-03	2.2568E-05	2.1392E-05	LNGCUP	
405	65.72	-0.00	.76	2.03	3.14E+02	4.616E-04	4.376E-04	.046	9.956E-03	2.4445E-05	2.3172E-05	LNGCUP	
406	65.72	-0.00	1.02										
407	65.72	-0.00	1.27	2.03	8.44E+00	1.185E-05	1.123E-05	.001	9.956E-03	6.2752E-07	5.9487E-07	LNGCUP	
408	65.72	-0.00	1.52										
409	65.72	-0.00	1.78	2.03	1.07E+02	1.572E-04	1.491E-04	.016	9.956E-03	8.3264E-06	7.8930E-06	LNGCUP	
410	65.72	-0.00	2.03										
411	76.20	-0.00	0.00	2.03	8.08E+03	1.188E-02	1.126E-02	1.622	7.329E-03	6.2934E-04	5.9650E-04	LNGCUP	
412	76.20	-0.00	.13	2.03	7.09E+03	1.043E-02	9.886E-03	1.423	7.329E-03	5.5235E-04	5.2353E-04	LNGCUP	
413	76.20	-0.00	.25	2.03	5.85E+03	8.602E-03	8.154E-03	1.174	7.329E-03	4.5553E-04	4.3178E-04	LNGCUP	
414	76.20	-0.00	.51	2.03	1.91E+03	2.813E-03	2.666E-03	.384	7.329E-03	1.4894E-04	1.4118E-04	LNGCUP	
415	76.20	-0.00	.76	2.03	8.23E+02	1.208E-03	1.145E-03	.165	7.329E-03	6.3963E-05	6.0631E-05	LNGCUP	
416	76.20	-0.00	1.02	2.03	4.13E+02	6.069E-04	5.753E-04	.083	7.329E-03	3.2138E-05	3.0463E-05	LNGCUP	
417	76.20	-0.00	1.27	2.03	5.30E+01	7.863E-05	7.453E-05	.011	7.329E-03	4.1638E-06	3.9476E-06	LNGCUP	
418	76.20	-0.00	1.52	2.03	3.33E+01	4.880E-05	4.626E-05	.007	7.329E-03	2.5843E-06	2.4498E-06	LNGCUP	
419	76.20	-0.00	1.78										
420	76.20	-0.00	2.03										
231	91.57	-0.00	2.03	2.03	8.19E+01	1.201E-04	1.138E-04	.017	6.901E-03	6.3595E-06	6.0285E-06	SINTON	
232	91.69	-0.00	1.77	2.03	1.51E+02	2.211E-04	2.096E-04	.032	6.894E-03	1.1710E-05	1.1100E-05	SINTON	
233	91.69	-0.00	1.51	2.03	7.03E+02	1.033E-03	9.787E-04	.150	6.894E-03	5.4677E-05	5.1829E-05	SINTON	
234	91.69	-0.00	1.22	2.03	2.37E+03	3.484E-03	3.302E-03	.505	6.894E-03	1.8448E-04	1.7487E-04	SINTON	
235	91.69	-0.00	.93	2.03	5.54E+03	8.131E-03	7.712E-03	1.179	6.894E-03	4.3058E-04	4.0837E-04	SINTON	
236	91.69	-0.00	.75	2.03	9.74E+03	1.431E-02	1.357E-02	2.076	6.894E-03	7.5801E-04	7.1848E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST1150). C. HUMMER RSI TILE GAPS JUNE 26) 1973 PAGE 48

T/C	X (CM)	Y (CM)	ZZ (CM)	GAPU (GM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	RHREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPL	
													RE/M= 1.51E+06
237	91.69	-0.00	.08	2.03	1.40E+04	2.14E-02	2.03E-02	3.116	6.89E-03	1.13E-03	1.07E-03	SINTON	
238	91.69	-0.00	.27	2.03	3.91E+04	5.75E-02	5.45E-02	8.392	6.89E-03	3.04E-03	2.80E-03	SINTON	
239	91.69	.12	.14	2.03	2.71E+04	3.99E-02	3.78E-02	5.789	6.89E-03	2.11E-03	2.00E-03	SINTON	
240	91.74	-0.00	.05	2.03	3.97E+04	5.84E-02	5.53E-02	8.476	6.89E-03	3.09E-03	2.93E-03	SINTON	
241	91.90	.12	0.00	2.03	2.70E+04	3.97E-02	3.76E-02	5.335	6.88E-03	1.94E-03	1.84E-03	SINTON	
242	91.94	-0.00	0.00	2.03	3.91E+04	5.82E-02	5.70E-02	7.301	6.88E-03	2.66E-03	2.52E-03	SINTON	
243	92.03	-0.00	0.00	2.03	2.06E+04	3.04E-02	2.88E-02	4.435	6.85E-03	1.60E-03	1.52E-03	SINTON	
244	92.95	-0.00	0.00										
245	94.22	-0.00	0.00	2.03	1.57E+04	2.31E-02	2.19E-02	3.423	6.75E-03	1.22E-03	1.16E-03	SINTON	
246	91.57	1.59	2.03	2.03	2.18E+03	3.20E-04	3.03E-04	.046	6.91E-03	1.69E-05	1.60E-05	SINTON	
247	91.69	1.59	1.51	2.03	6.05E+03	8.80E-04	8.61E-04	.128	6.81E-03	4.70E-05	4.45E-05	SINTON	
248	91.69	1.59	1.01	2.03	1.87E+03	2.74E-04	2.60E-04	.397	6.81E-03	1.45E-05	1.37E-05	SINTON	
249	91.69	1.59	.47	2.03	2.55E+03	3.72E-04	3.53E-04	.539	6.91E-03	1.97E-05	1.87E-05	SINTON	
250	91.59	1.59	.26	2.03	4.11E+03	7.07E-04	6.70E-04	1.023	6.91E-03	3.74E-05	3.54E-05	SINTON	
251	91.69	1.59	.05	2.03	1.57E+02	2.88E-04	2.73E-04	.042	6.90E-03	1.52E-05	1.44E-05	SINTUP	
252	91.74	1.59	.26	2.03	7.74E+04	1.13E-01	1.07E-01	16.336	6.93E-03	6.00E-03	5.68E-03	SINTUP	
253	91.59	3.11	.26	2.03	7.71E+02	8.38E-04	7.94E-04	.121	6.93E-03	4.44E-05	4.20E-05	SINTUP	
254	91.69	3.11	.51	2.03	5.71E+02	8.38E-04	9.73E-04	.140	6.93E-03	5.44E-05	5.15E-05	SINTUP	
255	91.69	3.11	.98	2.03	8.53E+02	1.02E-03	9.73E-04	.463	6.93E-03	1.70E-04	1.61E-04	SINTUP	
256	91.65	3.11	1.47	2.03	2.19E+03	3.21E-03	3.04E-03						
421	50.96	20.54	3.00	4.06	5.30E+04	8.14E-03	7.72E-03	.874	9.32E-03	4.32E-04	4.10E-04	LNGEUP	
422	60.96	20.54	.13	4.06	8.14E+03	1.18E-02	1.12E-02	1.272	9.32E-03	6.29E-04	5.97E-04	LNGEUP	
423	60.96	20.54	.25	4.06	5.73E+03	7.84E-03	7.43E-03	.841	9.32E-03	4.16E-04	3.95E-04	LNGEUP	
424	60.96	20.54	.51	4.06	1.04E+03	2.66E-03	2.52E-03	.286	9.32E-03	1.41E-04	1.34E-04	LNGEUP	
425	60.96	20.54	.76	4.06	1.07E+03	1.56E-03	1.48E-03	.164	9.32E-03	8.32E-05	7.89E-05	LNGEUP	
426	60.96	20.54	1.02	4.06	5.04E+02	8.52E-04	8.08E-04	.091	9.32E-03	4.52E-05	4.29E-05	LNGEUP	
427	60.96	20.54	1.52	4.06	1.78E+02	2.96E-04	2.43E-04	.028	9.32E-03	1.36E-05	1.29E-05	LNGEUP	
428	60.96	20.54	2.03										
429	60.96	20.54	2.54	4.06	4.49E+00	6.95E-06	6.21E-06	.701	9.32E-03	3.68E-07	3.30E-07	LNGEUP	
430	60.96	20.54	3.56										

AMES 3.5 FT WIND TUNNEL TEST(158), G. BLUMER RSI TILE GAPS RUN(27) 1973 PAGE 41

TT = 1.8237E+03(K) CONF= 4.20
PT = 9.2291E+05(N/M2) GAP = .254 CM
HT = 1.8446E+07(J/KG) STEP = 0.000(CM)
RE/METER= 2.5902E+06
MACH = 5.80
QS = 1.0815E+05(N/M2)
MAW/HT =5.302 FOR HT
MAW/HT =6.474 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.580E+05
431	60.96	-20.54	0.00	1.02	9.03E+03	1.247E-02	1.183E-02	1.213	1.028E-02	3.7580E-04	3.5651E-04	LNGEUP	
432	60.96	-20.54	.25	1.02	4.08E+03	5.617E-03	5.330E-03	.546	1.028E-02	1.6928E-04	1.6061E-04	LNGEUP	
433	60.96	-20.54	.51	1.02	7.62E+02	1.077E-03	1.021E-03	.105	1.028E-02	3.2441E-05	3.0781E-05	LNGEUP	
434	60.96	-20.54	.76	1.02	1.18E+02	1.623E-04	1.540E-04	.016	1.028E-02	4.8916E-06	4.6416E-06	LNGEUP	
435	60.96	-20.54	1.02										
201	91.69	-20.54	.25	1.02	3.60E+03	4.957E-03	4.704E-03	.565	8.769E-03	1.4939E-04	1.4175E-04	SINTON	
202	91.69	-20.54	.51	1.02	5.59E+03	1.178E-02	1.118E-02	1.343	8.769E-03	3.5500E-04	3.3682E-04	SINTON	
203	91.69	-20.54	.28	1.02	2.54E+04	3.567E-02	3.384E-02	4.063	8.769E-03	1.0749E-03	1.0199E-03	SINTON	
204	91.69	-20.22	.10	1.02	2.23E+04	3.161E-02	2.999E-02	3.609	8.761E-03	9.5268E-04	9.0383E-04	SINTON	
205	91.74	-20.54	.35	1.02	3.16E+04	4.283E-02	4.064E-02	4.886	8.767E-03	1.2908E-03	1.2246E-03	SINTON	
206	91.92	-20.22	0.00	1.02	2.81E+04	2.782E-02	2.639E-02	3.177	8.756E-03	8.3834E-04	7.9532E-04	SINTON	
207	92.15	-20.54	0.00	1.02	3.01E+04	4.163E-02	3.949E-02	4.758	8.749E-03	1.2545E-03	1.1901E-03	SINTON	
208	92.45	-20.54	0.00	1.02	2.38E+04	2.849E-02	2.701E-02	3.260	8.736E-03	8.5815E-04	8.1407E-04	SINTON	
209	92.93	-20.54	0.00	1.02	1.79E+04	2.480E-02	2.352E-02	2.845	8.715E-03	7.4723E-04	7.0885E-04	SINTON	
210	94.22	-20.54	0.00	1.02	1.44E+04	1.986E-02	1.884E-02	2.294	8.654E-03	5.9843E-04	5.6769E-04	SINTON	
211	91.57	-20.57	1.02	1.02	7.70E+02	1.067E-03	1.013E-03	.122	8.775E-03	3.2168E-05	3.0524E-05	SINTON	
212	91.57	-19.94	1.02	1.02	2.69E+02	3.697E-04	3.508E-04	.042	8.733E-03	1.1140E-05	1.0571E-05	SINTON	
213	91.69	-19.94	.76	1.02	9.04E+02	1.245E-03	1.181E-03	.143	8.723E-03	3.7519E-05	3.5600E-05	SINTON	
214	91.69	-19.94	.51	1.02	1.59E+03	2.186E-03	2.074E-03	.250	8.729E-03	6.5873E-05	6.2500E-05	SINTON	
215	91.69	-19.94	.25	1.02	4.14E+03	5.703E-03	5.411E-03	.653	8.729E-03	1.7187E-04	1.6306E-04	SINTON	
													RE/M= 2.528E+06
401	45.72	-3.00	0.00	2.03	9.35E+03	1.265E-02	1.200E-02	1.125	1.124E-02	3.8533E-04	3.6565E-04	LNGCUP	
402	45.72	-3.00	.13	2.03	1.16E+04	1.492E-02	1.415E-02	1.327	1.124E-02	4.5450E-04	4.3130E-04	LNGCUP	
403	45.72	-3.00	.25	2.03	9.65E+03	1.304E-02	1.237E-02	1.160	1.124E-02	3.9718E-04	3.7692E-04	LNGCUP	
404	45.72	-3.00	.51	2.03	2.25E+03	3.028E-03	2.874E-03	.269	1.124E-02	9.2272E-05	8.7572E-05	LNGCUP	
405	45.72	-3.00	.76	2.03	1.49E+03	2.004E-03	1.902E-03	.178	1.124E-02	6.1065E-05	5.7957E-05	LNGCUP	
406	45.72	-3.00	1.02	2.03	2.91E+01	3.937E-05	3.709E-05	.003	1.124E-02	1.1906E-06	1.1301E-06	LNGCUP	
407	45.72	-3.00	1.27	2.03	2.16E+02	2.910E-04	2.762E-04	.026	1.124E-02	8.8673E-06	8.4166E-06	LNGCUP	
408	45.72	-3.00	1.52										
409	45.72	-3.00	1.78	2.03	5.75E+02	7.734E-04	7.341E-04	.069	1.124E-02	2.3566E-05	2.2368E-05	LNGCUP	
410	45.72	-3.00	2.03										
411	76.20	-3.00	0.00	2.03	1.64E+04	2.219E-02	2.106E-02	2.694	8.238E-03	6.7624E-04	6.4173E-04	LNGCUP	
412	76.20	-3.00	.13	2.03	1.52E+04	2.048E-02	1.944E-02	2.487	8.238E-03	6.2417E-04	5.9243E-04	LNGCUP	
413	76.20	-3.00	.25	2.03	1.35E+04	1.827E-02	1.734E-02	2.218	8.238E-03	5.5679E-04	5.2842E-04	LNGCUP	
414	76.20	-3.00	.51	2.03	5.24E+03	7.061E-03	6.702E-03	.857	8.238E-03	2.1516E-04	2.0421E-04	LNGCUP	
415	76.20	-3.00	.76	2.03	3.29E+03	4.414E-03	4.190E-03	.536	8.238E-03	1.3451E-04	1.2766E-04	LNGCUP	
416	76.20	-3.00	1.02	2.03	2.47E+03	3.321E-03	3.153E-03	.403	8.238E-03	1.0121E-04	9.6058E-05	LNGCUP	
417	76.20	-3.00	1.27	2.03	1.39E+03	1.935E-03	1.742E-03	.223	8.238E-03	5.5909E-05	5.3066E-05	LNGCUP	
418	76.20	-3.00	1.52	2.03	4.29E+02	5.701E-04	5.411E-04	.069	8.238E-03	1.7370E-05	1.6487E-05	LNGCUP	
419	76.20	-3.00	1.78	2.03	8.61E+01	1.157E-04	1.099E-04	.014	8.238E-03	3.5268E-06	3.3476E-06	LNGCUP	
420	76.20	-3.00	2.03										
231	91.37	-3.00	2.03	2.03	6.53E+02	9.808E-04	8.361E-04	.102	8.596E-03	2.6838E-05	2.5475E-05	SINTON	
232	91.69	-3.00	1.77	2.03	3.47E+03	4.675E-03	4.437E-03	.543	8.607E-03	1.4244E-04	1.3520E-04	SINTON	
233	91.69	-3.00	1.51	2.03	9.23E+03	1.242E-02	1.179E-02	1.443	8.607E-03	3.7849E-04	3.5924E-04	SINTON	
234	91.69	-3.00	1.27	2.03	1.54E+04	2.074E-02	1.969E-02	2.410	8.607E-03	6.3209E-04	5.9993E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1501). C. BLUMER RSI TILE GAPS RUN# 27) 1973 PAGE 42

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MRLFF	MRLFF (KG/M2-S)	STI	GAP-TYPE
235	91.69	-0.00	.00	2.03	3.38E+04	4.20E-02	4.27E-02	5.239	8.607E-03	1.3729E-03	1.3437E-03 SINTON
236	91.69	-0.00	.75	2.03	4.48E+04	5.64E-02	5.13E-02	6.281	8.607E-03	1.6473E-03	1.5634E-03 SINTON
237	91.69	-0.00	.98	2.03	2.24E+04	3.07E-02	2.92E-02	3.575	8.607E-03	9.3765E-04	8.8965E-04 SINTON
238	91.69	-0.00	.27	2.03	6.98E+04	9.44E-02	8.92E-02	10.926	8.607E-03	2.8655E-03	2.7193E-03 SINTON
239	91.69	.12	.13	2.03	7.74E+04	1.05E-01	9.97E-02	12.195	8.635E-03	3.2012E-03	3.0379E-03 SINTON
240	91.74	-0.00	.35	2.03	8.65E+04	1.17E-01	1.11E-01	13.581	8.611E-03	3.5634E-03	3.3814E-03 SINTON
241	91.96	.12	0.00	2.03	8.58E+04	8.87E-02	8.42E-02	10.282	8.630E-03	2.7038E-03	2.5659E-03 SINTON
242	91.96	-0.00	0.00	2.03	8.44E+04	1.14E-01	1.08E-01	13.231	8.628E-03	3.4784E-03	3.3100E-03 SINTON
243	92.43	-0.00	0.00	2.03	6.55E+04	8.15E-02	5.93E-02	7.095	8.670E-03	1.8744E-03	1.7766E-03 SINTON
244	92.95	-0.00	0.00								
245	93.22	-0.00	0.00	2.03	2.94E+04	3.97E-02	3.77E-02	4.506	8.823E-03	1.2113E-03	1.1494E-03 SINTON
250	91.57	1.59	2.03	2.03	2.22E+03	3.07E-04	2.92E-04	.036	8.640E-03	9.3819E-06	8.9052E-06 SINTON
256	91.69	1.59	1.91	2.03	2.09E+03	3.60E-03	3.42E-03	.417	8.651E-03	1.0983E-04	1.0429E-04 SINTON
257	91.69	1.59	1.01	2.03	7.65E+03	1.01E-02	9.57E-03	1.170	8.651E-03	3.1045E-04	2.9465E-04 SINTON
258	91.69	1.59	.47	2.03	8.49E+03	1.14E-02	1.08E-02	1.319	8.651E-03	3.4765E-04	3.2992E-04 SINTON
259	91.69	1.59	.26	2.03	1.30E+04	1.83E-02	1.73E-02	2.117	8.651E-03	5.5012E-04	5.2204E-04 SINTON
260	91.74	1.59	.05	2.03	4.17E+02	2.61E-04	5.33E-04	.065	8.656E-03	1.7111E-05	1.6244E-05 SINTON
261	91.69	1.11	.25	2.03	3.44E+03	4.83E-03	4.90E-03	.533	8.699E-03	1.4126E-04	1.3407E-04 SINTUP
262	91.69	1.11	.51	2.03	4.86E+03	6.54E-03	6.21E-03	.753	8.694E-03	1.9956E-04	1.8934E-04 SINTUP
263	91.69	1.11	.49	2.03	6.79E+03	9.46E-03	8.13E-03	.743	8.699E-03	1.9705E-04	1.8701E-04 SINTUP
264	91.69	1.11	1.07	2.03	8.44E+03	1.13E-02	1.08E-02	1.310	8.699E-03	3.4714E-04	3.2944E-04 SINTUP
											RE/M= 2.439E+06
421	60.96	20.54	0.00	4.06	8.11E+03	1.06E-02	1.01E-02	1.070	9.995E-03	3.3072E-04	3.1394E-04 LNGEUP
422	60.96	20.54	.13	4.06	1.49E+04	1.95E-02	1.85E-02	1.959	9.995E-03	6.0573E-04	5.7501E-04 LNGEUP
423	60.96	20.54	.25	4.06	1.37E+04	1.79E-02	1.70E-02	1.797	9.995E-03	5.5567E-04	5.2759E-04 LNGEUP
424	60.96	20.54	.51	4.06	6.05E+03	7.92E-03	7.52E-03	.793	9.995E-03	2.4517E-04	2.3276E-04 LNGEUP
425	60.96	20.54	.76	4.06	4.74E+03	6.19E-03	5.88E-03	.620	9.995E-03	1.9174E-04	1.8204E-04 LNGEUP
426	60.96	20.54	1.02	4.06	3.51E+03	4.58E-03	4.35E-03	.459	9.995E-03	1.4188E-04	1.3469E-04 LNGEUP
427	60.96	20.54	1.52	4.06	1.27E+03	1.65E-03	1.57E-03	.166	9.995E-03	5.1327E-05	4.8736E-05 LNGEUP
428	60.96	20.54	2.03	4.06	5.01E+02	6.53E-04	6.20E-04	.065	9.995E-03	2.0230E-05	1.9209E-05 LNGEUP
429	60.96	20.54	2.54								
430	60.96	20.54	3.56	4.06	5.50E+01	7.18E-05	6.82E-05	.007	9.995E-03	2.2220E-06	2.1099E-06 LNGEUP

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(28) 1973 PAGE 43

TT = 1.1302E+03(K) CONF= 4.20
PT = 1.4276E+06(N/M2) GAP = .254 CM
HT = 1.2546E+07(J/KG) STEP = 0.000(CM)
RE/METER= 4.3905E+06
MACH = 7.10
QS = 1.6444E+05(N/M2)
HAW/HT =0.987 FOR HT
HAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	4.391E+06
231	89.96	-21.54	3.33	1.02	1.09E+04	1.490E-02	1.413E-02	1.141	1.306E-02	2.6128E-04	2.4789E-04	LNGEUP	
232	89.96	-20.54	.25	1.02	4.34E+03	5.930E-03	5.589E-03	.451	1.306E-02	1.0331E-04	9.8028E-05	LNGEUP	
233	89.96	-20.54	.51	1.02	8.13E+02	1.102E-03	1.046E-03	.084	1.306E-02	1.9337E-05	1.8349E-05	LNGEUP	
234	89.96	-20.54	.76	1.02	1.98E+02	2.533E-04	2.410E-04	.019	1.306E-02	4.4537E-06	4.2207E-06	LNGEUP	
235	89.96	-20.54	1.02										
201	91.69	-21.54	.25	1.02	2.77E+04	3.789E-02	3.557E-02	2.661	1.409E-02	6.5752E-04	6.2394E-04	SINTON	
202	91.69	-20.54	.51	1.02	4.51E+04	6.178E-02	5.862E-02	4.380	1.409E-02	1.0836E-03	1.0282E-03	SINTON	
203	91.69	-20.54	.26	1.02	9.41E+04	1.199E-01	1.138E-01	8.511	1.409E-02	2.1038E-03	1.9952E-03	SINTON	
204	91.69	-20.22	.10	1.02	9.02E+04	1.228E-01	1.165E-01	8.717	1.409E-02	2.1546E-03	2.0440E-03	SINTON	
205	91.74	-21.54	.05	1.02	4.25E+04	5.790E-02	5.492E-02	4.108	1.409E-02	1.0155E-03	9.6736E-04	SINTON	
206	91.42	-21.22	0.05	1.02	8.07E+04	1.104E-01	1.047E-01	7.824	1.411E-02	1.9356E-03	1.8362E-03	SINTON	
207	92.15	-21.54	0.00	1.02	9.40E+04	1.345E-01	1.276E-01	9.516	1.413E-02	2.3565E-03	2.2373E-03	SINTON	
208	91.69	-20.54	0.00	1.02	5.33E+04	7.296E-02	6.921E-02	5.153	1.416E-02	1.2797E-03	1.2139E-03	SINTON	
209	92.93	-20.54	0.00	1.02	4.48E+04	6.120E-02	5.806E-02	4.309	1.421E-02	1.0735E-03	1.0183E-03	SINTON	
210	94.22	-20.54	0.00	1.02	4.05E+04	5.526E-02	5.242E-02	3.857	1.433E-02	9.6927E-04	9.1945E-04	SINTON	
216	91.57	-20.93	1.02	1.02	1.17E+04	1.582E-02	1.501E-02	1.124	1.407E-02	2.7743E-04	2.6330E-04	SINTON	
217	91.57	-19.44	1.02	1.02	4.62E+03	6.240E-03	5.922E-03	.443	1.410E-02	1.0944E-04	1.0387E-04	SINTON	
218	91.69	-19.84	.76	1.02	7.26E+03	9.831E-03	9.329E-03	.696	1.412E-02	1.7244E-04	1.6363E-04	SINTON	
219	91.69	-19.84	.51	1.02	8.34E+03	1.132E-02	1.074E-02	.802	1.412E-02	1.9858E-04	1.8843E-04	SINTON	
220	91.69	-19.84	.25	1.02	2.12E+04	2.886E-02	2.738E-02	2.044	1.412E-02	5.0617E-04	4.8026E-04	SINTON	
												RE/M=	4.27E+06
401	45.72	-0.38	3.18	2.03	1.18E+04	1.558E-02	1.479E-02	1.134	1.374E-02	2.7805E-04	2.6388E-04	LNGCUP	
402	45.72	-0.13	.13	2.03	1.47E+04	2.459E-02	2.334E-02	1.789	1.374E-02	4.3873E-04	4.1639E-04	LNGCUP	
403	45.72	-0.38	.25	2.03	1.95E+04	2.565E-02	2.434E-02	1.866	1.374E-02	4.5762E-04	4.3435E-04	LNGCUP	
404	45.72	-0.38	.51	2.03	6.32E+03	9.303E-03	7.882E-03	.604	1.374E-02	1.6814E-04	1.4063E-04	LNGCUP	
405	45.72	-0.13	.76	2.03	4.67E+03	6.385E-03	6.061E-03	.465	1.374E-02	1.1392E-04	1.0815E-04	LNGCUP	
406	45.72	-0.13	1.02	2.03	5.09E+01	6.595E-05	6.262E-05	.005	1.374E-02	1.1766E-06	1.1173E-06	LNGCUP	
407	45.72	-0.13	1.27	2.03	1.02E+03	1.327E-03	1.260E-03	.097	1.374E-02	2.3676E-05	2.2480E-05	LNGCUP	
408	45.72	-0.13	1.52										
409	45.72	-0.13	1.78	2.03	2.30E+03	3.082E-03	2.926E-03	.224	1.374E-02	5.4992E-05	5.2211E-05	LNGCUP	
410	45.72	-0.13	2.03	2.03	8.40E+01	1.096E-04	1.041E-04	.008	1.374E-02	1.9560E-06	1.8573E-06	LNGCUP	
411	78.20	-0.13	0.00	2.03	2.14E+04	2.812E-02	2.669E-02	2.558	1.099E-02	5.0167E-04	4.7616E-04	LNGCUP	
412	78.20	-0.13	.13	2.03	2.46E+04	3.232E-02	3.067E-02	2.939	1.099E-02	5.7656E-04	5.472bE-04	LNGCUP	
413	78.20	-0.13	.25	2.03	2.18E+04	2.866E-02	2.721E-02	2.607	1.099E-02	5.1139E-04	4.8543E-04	LNGCUP	
414	78.20	-0.13	.51	2.03	7.20E+03	9.518E-03	9.035E-03	.866	1.099E-02	1.6981E-04	1.6120E-04	LNGCUP	
415	78.20	-0.13	.76	2.03	3.97E+03	5.193E-03	4.930E-03	.472	1.099E-02	9.2649E-05	8.796?E-05	LNGCUP	
416	78.20	-0.13	1.02	2.03	2.91E+03	3.803E-03	3.611E-03	.346	1.099E-02	6.7853E-05	6.4421E-05	LNGCUP	
417	78.20	-0.00	1.27	2.03	1.65E+03	2.157E-03	2.048E-03	.196	1.099E-02	3.8488E-05	3.6543E-05	LNGCUP	
418	78.20	-0.13	1.52	2.03	8.33E+02	1.088E-03	1.033E-03	.099	1.099E-02	1.9409E-05	1.8429E-05	LNGCUP	
419	78.20	-0.13	1.78	2.03	2.70E+02	3.522E-04	3.344E-04	.032	1.099E-02	6.2831E-06	5.966DE-06	LNGCUP	
420	78.20	-0.13	2.03	2.03									
231	91.57	-0.13	2.03	2.03	7.76E+03	1.012E-02	9.612E-03	.673	1.504E-02	1.8059E-04	1.7149E-04	SINTON	
232	91.69	-0.13	1.77	2.03	2.19E+04	2.854E-02	2.710E-02	1.889	1.511E-02	5.0916E-04	4.8346E-04	SINTON	
233	91.69	-0.13	1.51	2.03	3.63E+04	4.740E-02	4.500E-02	3.137	1.511E-02	8.4566E-04	8.0294E-04	SINTON	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

AMES 3.5 FT WIND TUNNEL TEST#1500, G. BLUMER RSI TILE GAPS RUN# 281 1973

I/C	X (CM)	YY (CM)	ZZ (CM)	GAP# (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
234	91.69	-3.00	1.22	2.03	4.36E+04	6.41E-02	6.09E-02	4.245	1.51E-02	1.14E-03	1.08E-03	SINTDN	
235	91.69	-3.00	.33	2.03	8.03E+04	1.63E-01	1.00E-01	7.002	1.51E-02	1.79E-03	1.69E-03	SINTDN	
236	91.69	-3.00	.75	2.03	8.03E+04	1.15E-01	1.09E-01	7.645	1.51E-02	1.95E-03	1.37E-03	SINTDN	
237	91.69	-3.00	.98	2.03	8.03E+04	8.14E-02	7.73E-02	5.391	1.51E-02	1.45E-03	1.37E-03	SINTDN	
238	91.69	-3.00	.27	2.03	6.14E+04	2.03E-01	2.23E-01	15.589	1.51E-02	4.20E-03	3.98E-03	SINTUN	
239	91.69	-3.00	.13	2.03	1.87E+05	2.35E-01	2.46E-01	17.143	1.51E-02	3.56E-03	3.30E-03	SINTDN	
240	91.69	-3.00	.05	2.03	1.82E+05	2.00E-01	1.89E-01	13.195	1.51E-02	4.62E-03	4.35E-03	SINTDN	
241	91.86	-3.00	.03	2.03	1.90E+04	2.59E-01	9.31E-02	6.489	1.52E-02	1.66E-03	1.57E-03	SINTUN	
242	91.96	-3.00	0.00	2.03	7.40E+04	9.31E-02	8.83E-02	6.109	1.52E-02	1.47E-03	1.40E-03	SINTUN	
243	92.43	-3.00	0.00	2.03	6.27E+04	8.29E-02	7.86E-02	5.442	1.52E-02	1.54E-03	1.46E-03	SINTUN	
244	92.95	-3.00	0.00	2.03	6.55E+04	8.87E-02	8.23E-02	5.698	1.55E-02	1.54E-03	1.46E-03	SINTDN	
245	90.22	-3.00	0.00	2.03	4.55E+04	6.03E-02	5.72E-02	3.672	1.64E-02	1.07E-03	1.02E-03	SINTUN	
246	91.57	1.53	0.00	2.03	2.03E+03	2.61E-03	2.46E-03	.171	1.52E-02	4.66E-05	4.42E-05	SINTDN	
247	91.69	1.59	0.00	2.03	1.25E+04	1.61E-02	1.53E-02	1.050	1.53E-02	2.87E-04	2.72E-04	SINTDN	
248	91.69	1.53	0.00	2.03	2.13E+04	2.73E-02	2.59E-02	1.780	1.53E-02	4.87E-04	4.62E-04	SINTDN	
249	91.69	1.53	.47	2.03	2.44E+04	2.72E-02	2.58E-02	1.770	1.53E-02	4.86E-04	4.61E-04	SINTDN	
250	91.69	1.59	.20	2.03	3.32E+04	5.02E-02	4.77E-02	3.270	1.53E-02	8.97E-04	8.51E-04	SINTDN	
251	91.74	1.59	.05	2.03	3.78E+04	4.93E-03	4.08E-03	.321	1.53E-02	8.79E-05	8.35E-05	SINTUP	
252	91.69	1.11	.26	2.03	5.04E+03	6.85E-03	6.32E-03	.427	1.56E-02	1.12E-04	1.06E-04	SINTUP	
253	91.69	1.11	.51	2.03	1.12E+04	1.52E-02	1.44E-02	.975	1.56E-02	2.71E-04	2.57E-04	SINTUP	
254	91.69	1.11	.98	2.03	1.08E+04	1.42E-02	1.34E-02	.911	1.56E-02	2.53E-04	2.40E-04	SINTUP	
255	91.69	1.11	1.47	2.03	2.07E+04	2.71E-02	2.57E-02	1.742	1.56E-02	4.84E-04	4.60E-04	SINTUP	

I/C	X (CM)	YY (CM)	ZZ (CM)	GAP# (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
256	88.89	20.54	0.00	.06	1.14E+04	1.45DE-02	1.37GE-02	1.101	1.31E-02	2.64E-04	2.50E-04	LNGEUP	
257	88.96	20.54	.13	.06	2.45E+04	3.09GE-02	2.94GE-02	2.351	1.31E-02	5.66E-04	5.35E-04	LNGEUP	
258	88.95	20.54	.25	.06	2.53E+04	2.89GE-02	2.75IE-02	2.200	1.31E-02	5.27E-04	5.01E-04	LNGEUP	
259	88.96	20.54	.51	.06	1.80E+04	1.34IE-02	1.27JE-02	1.018	1.31E-02	2.44E-04	2.31E-04	LNGEUP	
260	88.96	20.54	.76	.06	8.82E+03	1.11DE-02	1.05SE-02	.843	1.31E-02	2.02EE-04	1.92IE-04	LNGEUP	
261	88.96	20.54	1.02	.06	7.06E+03	8.87JE-03	8.43SE-03	.674	1.31E-02	1.61IE-04	1.53GE-04	LNGEUP	
262	88.96	20.54	1.52	.06	3.07E+03	3.86E-03	3.65GE-03	.292	1.31E-02	7.00GE-05	6.65GE-05	LNGEUP	
263	88.96	20.54	2.03	.06	1.35E+03	1.68IE-03	1.60JE-03	.128	1.31E-02	3.07JE-05	2.92DE-05	LNGEUP	
264	88.96	20.54	2.54										
265	88.96	20.54	3.56										

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN(29) 1973 PAGE 45

TT = 1.167[illegible]E+03(K) CONF= 4.10
PT = [illegible]E+05(N/M2) GAP = .254 CM
HT = 1.21[illegible]E+07(J/KG) STEP = 0.0001(CM)
RE/METER= 1.46[illegible]E+06
MACH = 5.10
QS = 3.[illegible]E+04(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.976 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	1.481E+06
201	91.69	-20.54	.75	1.02	2.98E+02	3.984E-04	3.781E-04	.054	7.439E-03	2.0842E-05	1.9782E-05	SINTON	
202	91.69	-20.54	.21	1.02	7.67E+02	1.626E-03	9.733E-04	.138	7.433E-03	5.3651E-05	5.0923E-05	SINTON	
203	91.69	-20.54	.28	1.02	2.55E+03	3.415E-03	3.241E-03	.459	7.439E-03	1.7865E-04	1.6956E-04	SINTON	
204	91.69	-20.22	.10	1.02	3.39E+03	4.537E-03	4.306E-03	.612	7.417E-03	2.3738E-04	2.2531E-04	SINTON	
205	91.74	-20.54	.05	1.02	3.20E+03	4.287E-03	4.069E-03	.576	7.437E-03	2.2428E-04	2.1286E-04	SINTON	
206	91.82	-20.22	0.00	1.02	4.29E+03	5.731E-03	5.439E-03	.773	7.412E-03	2.9984E-04	2.8458E-04	SINTON	
207	92.15	-20.54	0.00	1.02	5.97E+03	7.854E-03	7.454E-03	1.058	7.421E-03	4.1090E-04	3.8998E-04	SINTON	
208	92.45	-20.54	0.00	1.02	6.03E+03	8.043E-03	7.633E-03	1.086	7.409E-03	4.2077E-04	3.9933E-04	SINTON	
209	92.93	-20.54	0.00	1.02	5.20E+03	7.051E-03	6.691E-03	.954	7.390E-03	3.6887E-04	3.5008E-04	SINTON	
210	94.22	-20.54	0.00	1.02	4.[illegible]E+03	6.484E-03	6.153E-03	.884	7.337E-03	3.3921E-04	3.2193E-04	SINTON	
211	95.46	-20.54	0.00	1.02	5.[illegible]E+03	6.698E-03	6.357E-03	.918	7.296E-03	3.5044E-04	3.3259E-04	SINTON	
212	96.27	-20.54	0.00	1.02	5.1[illegible]E+03	6.9[illegible]E-03	6.557E-03	.950	7.270E-03	3.6145E-04	3.4303E-04	SINTON	
213	99.31	-[illegible]	[illegible]	[illegible]	4.[illegible]E+03	6.303E-03	5.982E-03	.873	7.229E-03	3.2977E-04	3.1297E-04	SINTON	
214	101.95	-20.54	0.00	1.02	4.3[illegible]E+03	5.841E-03	5.543E-03	.850	6.872E-03	3.0557E-04	2.9001E-04	SINTON	
215	104.39	-20.54	0.00	1.02	4.93E+03	6.625E-03	6.287E-03	1.033	6.412E-03	3.4658E-04	3.2889E-04	SINTON	
216	91.57	-23.51	1.02	1.02	5.00E+01	6.671E-05	6.332E-05	.009	7.444E-03	3.4903E-06	3.3130E-06	SINTON	
217	91.57	-14.94	1.02										
218	91.69	-15.94	.76	1.02	9.55E+01	1.277E-04	1.212E-04	.017	7.332E-03	6.6785E-06	6.3382E-06	SINTON	
219	91.69	-18.94	.51	1.02	3.43E+02	4.585E-04	4.352E-04	.063	7.332E-03	2.3987E-05	2.2767E-05	SINTON	
220	91.69	-19.94	.25	1.02	1.88E+03	2.513E-03	2.385E-03	.343	7.332E-03	1.3147E-04	1.2478E-04	SINTON	
												RE/M=	1.413E+06
411	76.20	-0.33	0.00	2.03	1.13E+04	1.474E-02	1.399E-02	2.033	7.251E-03	7.8289E-04	7.4328E-04	LNGCUP	
412	76.20	-0.03	.13	2.03	9.49E+03	1.297E-02	1.222E-02	1.774	7.251E-03	6.8335E-04	6.4878E-04	LNGCUP	
413	76.20	-0.33	.25	2.03	7.41E+03	1.015E-02	9.637E-03	1.400	7.251E-03	5.3912E-04	5.1165E-04	LNGCUP	
414	76.20	-0.33	.51	2.03	2.60E+03	3.386E-03	3.215E-03	.467	7.251E-03	1.7986E-04	1.7073E-04	LNGCUP	
415	76.20	-0.33	.76	2.03	1.19E+03	1.547E-03	1.468E-03	.213	7.251E-03	8.2140E-05	7.7992E-05	LNGCUP	
231	91.57	-0.33	2.03	2.03	9.37E+01	1.296E-04	1.230E-04	.013	6.760E-03	6.8815E-06	6.5339E-06	SINTON	
232	91.69	-0.33	1.77	2.03	1.45E+02	1.875E-04	1.781E-04	.026	6.752E-03	9.9608E-06	9.4581E-06	SINTON	
233	91.69	-0.10	1.51	2.03	2.69E+02	3.750E-04	3.561E-04	.052	6.752E-03	1.992UE-05	1.8911E-05	SINTON	
234	91.69	-0.03	1.22	2.03	1.64E+03	2.135E-03	2.027E-03	.316	6.752E-03	1.1341E-04	1.0768E-04	SINTON	
235	91.69	-0.33	.33	2.03	4.70E+03	6.079E-03	5.771E-03	.903	6.752E-03	3.2391E-04	3.0755E-04	SINTON	
236	91.69	-1.00	.76	2.03	9.09E+03	1.181E-02	1.121E-02	1.748	6.752E-03	6.2705E-04	5.9538E-04	SINTON	
237	91.69	-0.33	.46	2.03	1.49E+04	1.941E-02	1.843E-02	2.875	6.752E-03	1.0311E-03	9.7899E-04	SINTON	
238	91.69	-1.33	.27	2.03	4.16E+04	5.405E-02	5.132E-02	8.005	6.752E-03	2.8708E-03	2.7257E-03	SINTON	
230	91.69	.33	.13	2.03	2.62E+04	3.412E-02	3.240E-02	5.050	6.756E-03	1.8122E-03	1.7206E-03	SINTON	
240	91.74	-0.33	.05	2.03	4.17E+04	5.499E-02	5.401E-02	8.420	6.749E-03	3.0214E-03	2.8686E-03	SINTON	
241	91.85	.82	0.00	2.03	2.49E+04	3.243E-02	3.079E-02	4.807	6.745E-03	1.7223E-03	1.6352E-03	SINTON	
242	91.94	-0.33	0.00	2.03	3.59E+04	4.668E-02	4.432E-02	6.929	6.737E-03	2.4795E-03	2.3540E-03	SINTON	
243	92.03	-0.33	0.00	2.03	2.18E+04	2.838E-02	2.696E-02	4.232	6.706E-03	1.5072E-03	1.4309E-03	SINTON	
244	92.45	-0.33	0.00	2.03	1.85E+04	2.414E-02	2.292E-02	3.617	6.673E-03	1.2820E-03	1.2172E-03	SINTON	
245	94.22	-0.33	0.00	2.03	1.72E+04	2.237E-02	2.124E-02	3.393	6.593E-03	1.1882E-03	1.1284E-03	SINTON	
246	95.48	-0.33	0.00	2.03	1.47E+04	1.913E-02	1.816E-02	2.922	6.545E-03	1.0158E-03	9.6440E-04	SINTON	

(AMES 3.5 FT WIND TUNNEL TEST(1508), C. BLUMER RSI TILE GAPS RUN(29) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP) (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MR=EFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
247	98.75	-0.03	0.00	2.03	1.67E+04	2.177E-02	2.067E-02	3.325	6.548E-03	1.1564E-03	1.0978E-03	SINTON
248	99.29	-0.03	0.00	2.03	1.44E+04	1.991E-02	1.785E-02	2.970	6.553E-03	9.9481E-04	9.4626E-04	SINTON
249	101.93	-0.03	0.00	2.03	1.40E+04	1.823E-02	1.731E-02	2.828	6.446E-03	9.6815E-04	9.1916E-04	SINTON
250	104.38	-0.03	0.00	2.03	1.34E+04	1.765E-02	1.676E-02	2.804	6.296E-03	9.3700E-04	8.9016E-04	SINTON
255	91.57	1.59	2.03									
256	91.59	1.59	1.01	2.03	4.30E+02	5.193E-04	4.932E-04	.077	6.774E-03	2.7591E-05	2.6197E-05	SINTON
257	91.59	1.59	1.01	2.03	1.35E+03	1.753E-03	1.665E-03	.259	6.774E-03	9.3117E-05	8.8410E-05	SINTON
258	91.59	1.59	.47	2.03	2.23E+03	2.930E-03	2.782E-03	.433	6.774E-03	1.5562E-04	1.4774E-04	SINTON
259	91.59	1.59	.25	2.03	4.81E+03	6.252E-03	5.945E-03	.924	6.774E-03	3.3264E-04	3.1577E-04	SINTON
265	91.57	3.11	2.03	2.03	4.64E+01	6.030E-05	5.726E-05	.009	6.813E-03	1.8666E-06	1.7723E-06	SINTON
266	91.69	3.11	1.47	2.03	2.70E+01	3.514E-05	3.337E-05	.005	6.805E-03	7.6453E-06	7.2604E-06	SINTON
267	91.69	3.11	.08	2.03	1.08E+02	1.421E-04	1.349E-04	.021	6.805E-03	5.0191E-05	4.7648E-05	SINTON
269	91.69	3.11	.91	2.03	7.70E+02	9.448E-04	8.970E-04	.139	6.805E-03	1.8066E-04	1.7165E-04	SINTON
284	91.69	3.11	.03	2.03	2.62E+03	3.404E-03	3.232E-03	.500	6.805E-03			

REF= 1.378E+06

271	91.64	3.11	1.03	+.06	1.13E+03	2.032E-04	1.922E-04	.029	7.032E-03	1.4869E-05	1.4063E-05	SINTON
276	91.69	3.11	.91	+.06	1.93E+02	2.295E-04	2.181E-04	.047	7.032E-03	1.2334E-05	1.1713E-05	SINTON
278	91.64	3.11	2.03	+.06	4.43E+02	3.714E-04	3.527E-04	.047	7.032E-03	1.9744E-05	1.8754E-05	SINTON
279	91.64	3.11	1.47	+.06	5.09E+02	6.004E-04	5.703E-04	.040	7.032E-03	3.7650E-05	3.5764E-05	SINTON
274	91.64	3.11	1.02	+.06	8.13E+02	4.049E-03	3.844E-03	.517	7.032E-03	2.1746E-04	2.0654E-04	SINTON
275	91.64	3.11	1.02	+.06	8.13E+02	4.049E-03	3.844E-03	1.387	7.032E-03	5.8495E-04	5.5577E-04	SINTON
276	91.64	3.11	1.24	+.06	8.45E+03	1.024E-02	9.724E-03	2.100	7.032E-03	8.8311E-04	8.3893E-04	SINTON
277	91.64	3.11	1.03	+.06	1.23E+04	1.544E-02	1.466E-02	3.169	7.032E-03	1.4171E-03	1.3463E-03	SINTON
278	91.64	3.11	.74	+.06	9.67E+04	2.453E-02	2.329E-02	5.032	7.032E-03	1.8226E-03	1.7311E-03	SINTON
279	91.69	3.11	.91	+.06	2.00E+04	3.344E-02	3.221E-02	6.962	7.032E-03	4.8709E-03	4.6259E-03	SINTON
280	91.69	3.11	.24	+.06	7.11E+04	9.380E-02	8.622E-02	11.594	7.032E-03	4.5018E-03	4.2593E-03	SINTON
281	91.74	3.11	.03	+.06	6.03E+04	8.941E-02	8.489E-02	11.414	7.032E-03	3.9201E-03	3.7222E-03	SINTON
282	91.93	20.53	3.00	+.06	5.71E+04	7.299E-02	6.930E-02	9.331	7.032E-03	1.8998E-03	1.8048E-03	SINTON
283	92.69	20.53	3.00	+.06	2.77E+04	3.537E-02	3.359E-02	4.534	7.801E-03	1.7952E-03	1.7054E-03	SINTON
284	92.98	20.53	3.00	+.06	2.91E+04	3.643E-02	3.173E-02	4.291	7.781E-03	1.4794E-03	1.4056E-03	SINTON
285	94.21	20.53	3.00	+.06	2.41E+04	2.759E-02	2.615E-02	3.563	7.731E-03	1.3426E-03	1.2754E-03	SINTON
286	95.51	20.53	3.00	+.06	1.95E+04	2.489E-02	2.372E-02	3.254	7.679E-03	1.3199E-03	1.2539E-03	SINTON
287	96.76	20.53	3.00	+.06	1.92E+04	2.457E-02	2.333E-02	3.221	7.630E-03	1.2781E-03	1.2133E-03	SINTON
288	99.29	20.53	3.00	+.06	1.85E+04	2.347E-02	2.259E-02	3.160	7.531E-03	1.2414E-03	1.1794E-03	SINTON
89	101.93	20.53	3.00	+.06	1.80E+04	2.311E-02	2.194E-02	3.127	7.39	1.1809E-03	1.1218E-03	SINTON
290	104.38	20.53	3.00	+.06	1.71E+04	2.199E-02	2.087E-02	3.038	7.23			

AMES 3.5 FT WIND TUNNEL TEST(154), C. BLUMER RSI TILE GAPS RUN# 301 1973 PAGE 47

TT = 1.141[illegible]E+03(K) CONF= 4.10
PT = 9.2137E+05(N/M2) GAP = .254 CM
HT = 1.7035E+08(J/KG) STEP = 0.0000(CM)
RE/METER= 2.[illegible]E+06
MACH = 7.10
QS = 1.1347E+05(W/M2)
HAW/HT =[illegible].307 FOR HT
HAW/HT =[illegible].[illegible]% FOR HL

P/C	X (CM)	YY (CM)	ZZ (CM)	GAP (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HT,EFF	HT,EFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.515E+06
201	91.69	-25.04	.79	1.02	9.44[illegible]E+02	1.27[illegible]E-03	1.209E-03	.169	8.578E-03	3.[illegible]917E-05	3.[illegible]931E-05	SINTON	
202	91.69	-24.54	.[illegible]	1.02	9.23[illegible]E+03	[illegible].324E-03	[illegible].107E-03	.565	8.578E-03	1.[illegible]321 E-04	1.[illegible]540E-04	SINTON	
203	91.69	-24.04	.79	1.02	9.[illegible]9E+03	1.[illegible]32E-02	1.204E-02	1.552	8.578E-03	[illegible].[illegible]E-04	3.858E-04	SINTON	
204	91.69	-23.22	.81	1.02	1.11[illegible]E+04	1.567E-02	1.430E-02	1.753	8.571E-03	4.[illegible]E-04	4.365E-04	SINTON	
205	91.7[illegible]	-22.[illegible]	.[illegible]	1.02	1.[illegible]E+04	1.[illegible]20E-02	1.[illegible]7E-02	1.660	8.[illegible]7E-03	4.33[illegible]E-04	[illegible].[illegible]37E-04	SINTON	
206	91.69	-21.22	[illegible].83	1.02	[illegible].[illegible]E+03	1.[illegible]40E-02	1.271E-02	1.565	8.564E-03	[illegible].[illegible]13E-04	[illegible].[illegible]E-04	SINTON	
207	92.[illegible]	-20.[illegible]	[illegible].[illegible]	1.02	1.[illegible]E+04	2.237E-02	2.123E-02	2.[illegible]16	8.554E-03	8.[illegible]17E-04	[illegible].[illegible]E-04	SINTON	
208	92.[illegible]	-21.[illegible]	[illegible].[illegible]	1.02	1.[illegible]E+04	1.[illegible]0[illegible]E-02	1.751[illegible]-02	2.162	8.538E-03	5.[illegible]35E-04	5.[illegible]67E-04	SINTON	
209	92.[illegible]	-21.[illegible]	[illegible].[illegible]	1.02	1.1[illegible]E+04	1.569E-02	1.[illegible]09E-02	1.[illegible]43	8.512E-03	4.7910E-04	[illegible].[illegible]E-04	SINTON	
210	94.22	-20.[illegible]	[illegible].[illegible]	1.02	[illegible].[illegible]E+03	1.[illegible]32E-02	1.235E-02	1.542	8.443E-03	3.[illegible]42E-04	3.[illegible]80E-04	SINTON	
211	95.[illegible]	-20.[illegible]	[illegible].[illegible]	1.02	1.[illegible]E+04	1.379E-02	1.309E-02	[illegible].639	8.414E-03	4.211[illegible]E-04	3.[illegible]E-04	SINTON	
212	95.77	-20.54	[illegible].[illegible]	1.02	1.[illegible]E+04	1.411E-02	1.339E-02	[illegible].678	8.453E-03	4.[illegible]98E-04	4.[illegible]E-04	SINTON	
213	99.31	-20.04	[illegible].[illegible]	1.02	9.2[illegible]E+03	1.247E-02	1.183E-02	1.462	8.525E-03	3.[illegible]04E-04	[illegible].[illegible]4E-04	SINTON	
214	101.[illegible]	-20.54	[illegible].[illegible]	1.02	[illegible].[illegible]E+03	1.130E-02	1.[illegible]72E-02	1.353	8.289E-03	3.[illegible]96E-04	3.[illegible]26E-04	SINTON	
215	104.33	-20.[illegible]	[illegible].[illegible]	1.02	1.[illegible]E+04	1.[illegible]5E-02	1.[illegible]4E-02	1.705	7.[illegible]E-03	4.[illegible]E-04	[illegible].[illegible]4E-04	SINTON	
216	90.[illegible]	-20.53	1.02	1.02	2.[illegible]E-02	3.576E-04	3.393E-04	.[illegible]42	8.585E-03	1.[illegible]E-05	1.[illegible]E-05	SINTON	
217	91.67	-18.[illegible]	1.[illegible]	1.02	[illegible].[illegible]E+01	7.856E-05	7.[illegible]E-05	.009	8.547E-03	2.[illegible]E-06	2.[illegible]E-06	SINTON	
218	91.[illegible]	-18.[illegible]	.[illegible]	1.02	[illegible].[illegible]E+02	5.205E-04	[illegible].[illegible]E-04	.061	8.542E-03	1.[illegible]E-05	1.[illegible]E-05	SINTON	
219	91.69	-18.[illegible]	.[illegible]	1.02	[illegible].[illegible]E+02	1.072E-03	1.017E-03	.126	8.542E-03	3.[illegible]E-05	3.[illegible]E-05	SINTON	
220	91.[illegible]	-18.[illegible]	.[illegible]	1.02	[illegible].[illegible]E+03	3.744E-03	3.552E-03	.438	8.542E-03	1.[illegible]E-04	[illegible].[illegible]E-04	SINTON	
													RE/M= 2.368E+06
221	76.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	1.[illegible]E+04	2.087E-02	1.981E-02	2.602	8.017E-03	[illegible].[illegible]E-04	[illegible].[illegible]E-04	LNGGUP	
222	76.[illegible]	-0.[illegible]	.[illegible]	2.03	1.[illegible]E+04	1.995E-02	1.[illegible]E-02	2.[illegible]8	8.017E-03	[illegible].[illegible]E-04	[illegible].[illegible]E-04	LNGGUP	
223	76.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	1.[illegible]E+04	1.760E-02	1.[illegible]E-02	2.[illegible]	8.017E-03	[illegible].[illegible]E-04	[illegible].[illegible]E-04	LNGGUP	
224	76.[illegible]	-0.[illegible]	.[illegible]	2.03	[illegible].[illegible]E+03	6.791E-03	[illegible].[illegible]E-03	.647	8.017E-03	2.[illegible]E-04	2.[illegible]E-04	LNGGUP	
225	76.[illegible]	-0.[illegible]	.[illegible]	2.03	[illegible].[illegible]E+03	4.[illegible]E-03	3.[illegible]E-03	.523	8.017E-03	1.[illegible]E-04	1.[illegible]E-04	LNGGUP	
227	91.57	-0.10	2.03										
232	91.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	[illegible].[illegible]E+03	1.924E-03	1.827E-03	.233	8.174E-03	[illegible].[illegible]E-05	5.[illegible]E-05	SINTON	
233	91.64	-1.[illegible]	1.61	2.03	[illegible].[illegible]E+03	[illegible].[illegible]E-03	[illegible].[illegible]E-03	.[illegible]79	8.174E-03	1.[illegible]E-04	1.[illegible]E-04	SINTON	
234	91.69	-1.[illegible]	1.22	2.03	1.[illegible]E+04	1.354E-02	1.286E-02	1.657	8.174E-03	[illegible].[illegible]E-04	[illegible].[illegible]E-04	SINTON	
235	91.[illegible]	-0.[illegible]	.[illegible]	2.03	[illegible].[illegible]E+04	2.[illegible]E-02	2.[illegible]E-02	3.224	8.174E-03	[illegible].[illegible]E-04	7.[illegible]E-04	SINTON	
236	91.[illegible]	-0.10	.[illegible]	2.03	[illegible].[illegible]E+04	3.[illegible]E-02	3.723E-02	[illegible].797	8.174E-03	1.[illegible]E-03	1.[illegible]E-03	SINTON	
237	91.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	[illegible].[illegible]E+04	5.294E-02	5.027E-02	6.[illegible]6	8.174E-03	1.[illegible]E-03	1.[illegible]E-03	SINTON	
238	91.[illegible]	-0.[illegible]	.[illegible]	2.03	1.[illegible]E+05	[illegible].[illegible]E-01	1.292E-01	16.650	8.174E-03	[illegible].[illegible]E-03	[illegible].[illegible]E-03	SINTON	
239	91.[illegible]	-0.[illegible]	.[illegible]	2.03	[illegible].[illegible]E+04	8.255E-02	7.839E-02	10.092	8.180E-03	2.[illegible]E-03	2.[illegible]E-03	SINTON	
240	91.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	9.[illegible]E+04	1.244E-01	1.181E-01	15.217	8.177E-03	3.[illegible]E-03	3.[illegible]E-03	SINTON	
241	91.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	[illegible].[illegible]E+04	7.167E-02	[illegible].[illegible]E-02	8.753	8.188E-03	2.[illegible]E-03	2.[illegible]E-03	SINTON	
242	91.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	[illegible].[illegible]E+04	[illegible].[illegible]E-02	[illegible].[illegible]E-02	11.027	8.185E-03	3.[illegible]E-03	2.[illegible]E-03	SINTON	
243	92.43	-0.[illegible]	[illegible].[illegible]	2.03	4.[illegible]E+04	5.[illegible]E-02	4.[illegible]E-02	6.377	8.207E-03	1.[illegible]E-03	1.[illegible]E-03	SINTON	
244	92.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	3.[illegible]E+04	[illegible].[illegible]E-02	4.[illegible]E-02	5.245	8.230E-03	1.[illegible]E-03	1.[illegible]E-03	SINTON	
245	94.22	-0.[illegible]	[illegible].[illegible]	2.03	[illegible].[illegible]E+04	3.[illegible]E-02	3.440E-02	4.372	8.237E-03	1.[illegible]E-03	1.[illegible]E-03	SINTON	
246	95.[illegible]	-0.[illegible]	[illegible].[illegible]	2.03	2.[illegible]E+04	2.[illegible]E-02	2.830E-02	3.575	8.238E-03	[illegible].[illegible]E-04	[illegible].[illegible]E-04	SINTON	

PAGE 46

6 MLS - 6 FT WIND TUNNEL TEST(1150) - C. BLUM - 1 TILE GAPS - RUN: 30 - 93

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP) (CM)	Q (N/M2)	M	HT (KG/M2-SD	ML/MREFF	MREFF (KG/M2-SD	STL	STT	GAP-TYPE
							9.3176-02	4.165	0.3801-03	1.6959E-03	2.0845E-03	SINTDM
247	96.75	-6.30	0.00	2.03	2.72E+04		2.0426-02	3.535	0.4651E-03	9.3876E-04	0.9156E-04	SINTDM
248	99.29	-6.03	0.30	2.03	2.33E+04		.775E-02	3.531	0.6171E-03	9.1679E-04	0.7851E-04	SINTDM
249	101.83	-5.03	0.00	2.03	2.20E+04		.824E-02	3.476	0.5571E-03	9.3316E-04	0.8602E-04	SINTDM
250	104.38	-8.80	0.00	2.03	2.3[illegible]		2.100E-04	.027	0.2001E-03	7.0600E-06	6.7124E-06	SINTDM
255	91.57	1.54	2.03	2.03	1.76E+0.		2.624E-03	.337	0.2066-03	8.6672E-05	0.2310E-05	SINTDM
256	91.69	1.54	2.03	2.03	2.16E+0.		6.142E-03	.788	0.2066-03	1.8209E-04	1.9267E-04	SINTDM
257	91.69	1.54	1.01	2.03	5.05E+		7.865E-03	1.009	0.2066-03	2.5983E-04	2.4673E-04	SINTDM
258	91.69	1.54	.47	2.03	6.06E+		1.485E-02	1.803	0.2066-03	4.6618E-04	4.4875E-04	SINTDM
259	91.69	1.54	.26	2.03	1.15E+		3.663E-04	.047	0.2346-03	1.2100E-05	1.1491E-05	SINTDM
265	91.57	3.11	2.03	2.03	3.02F+							
266	91.69	3.11	1.47				3.674E-03	.479	0.2406-03	1.2138E-04	1.1527E-04	SINTDM
267	91.69	3.11	.94	2.03	3.04							
268	91.69	3.11	.51									RE/M= 2.298E+06
269	91.69	3.11	.26	2.03	6.02E+		8.066E-03	1.031	0.2406-03	2.6669E-04	2.5304E-04	SINTDM
271	91.69	20.53	3.45	+.06	1.08E+02	2.369E-04	2.231E-04	.027	0.6166-03	7.4707E-06	7.0969E-06	SINTDM
272	91.69	20.53	3.01	+.06	5.86E+02	7.274E-04	6.910E-04	.084	0.6166-03	2.3130E-05	2.1988E-05	SINTDM
273	91.69	20.53	2.21	+.06	7.53E+02	9.393E-04	8.923E-04	.109	0.6166-03	2.9876E-05	2.8381E-05	SINTDM
274	91.69	20.53	2.01	+.06	3.40E+03	5.494E-03	5.219E-03	.630	0.6166-03	1.7473E-04	1.6598E-04	SINTDM
275	91.69	20.53	1.22	+.06	2.67E+04	2.501E-02	2.452E-02	2.996	0.6166-03	8.2098E-04	7.7906E-04	SINTDM
276	91.69	20.53	1.24	+.06	3.96E+04	4.913E-02	4.667E-02	5.702	0.6166-03	1.5626E-03	1.4843E-03	SINTDM
277	91.69	20.53	1.08	+.06	5.49E+04	6.798E-02	6.458E-02	7.881	0.6166-03	2.1598E-03	2.0515E-03	SINTDM
278	91.69	20.53	.74	+.06	7.51E+04	9.396E-02	8.924E-02	10.905	0.6166-03	2.9885E-03	2.8388E-03	SINTDM
279	91.69	20.53	.50	+.06	8.62E+04	1.079E-01	1.025E-01	12.525	0.6166-03	3.4325E-03	3.2601E-03	SINTDM
280	91.69	20.53	.24	+.06	1.86E+05	2.335E-01	2.217E-01	27.090	0.6166-03	7.4255E-03	7.0522E-03	SINTDM
281	91.69	20.53	.05	+.06	1.66E+05	2.108E-01	2.002E-01	24.466	0.6166-03	6.7851E-03	6.3876E-03	SINTDM
282	91.74	20.53	0.00	+.06	9.27E+04	1.166E-01	1.105E-01	13.505	0.6186-03	3.7824E-03	3.5155E-03	SINTDM
283	91.83	20.53	0.00	+.06	4.78E+04	5.972E-02	5.672E-02	6.925	0.6236-03	1.8993E-03	1.8039E-03	SINTDM
284	92.46	20.53	0.00	+.06	4.22E+04	5.314E-02	5.046E-02	6.159	0.6206-03	1.6983E-03	1.6049E-03	SINTDM
285	92.96	20.53	0.00	+.06	3.21E+04	4.048E-02	3.836E-02	4.676	0.6416-03	1.2850E-03	1.2201E-03	SINTDM
286	94.21	20.53	0.00	+.06	2.75E+04	3.465E-02	3.290E-02	4.000	0.6446-03	1.1020E-03	1.0463E-03	SINTDM
287	95.51	20.53	0.00	+.06	2.67E+04	3.361E-02	3.191E-02	3.894	0.6316-03	1.0591E-03	1.0151E-03	SINTDM
288	96.76	20.53	0.00	+.06	2.68E+04	3.028E-02	2.872E-02	3.516	0.6866-03	9.6232E-04	9.1363E-04	SINTDM
289	99.29	20.53	0.00	+.06	2.68E+04	3.286E-02	3.119E-02	3.776	0.7026-03	1.0458E-03	9.9211E-04	SINTDM
290	101.83	20.53	0.00	+.06	2.67E+04	3.373E-02	3.202E-02	3.813	0.8466-03	1.0727E-03	1.0180E-03	SINTDM
290	104.38	20.53	3.38	+.06	2.67E+04							

AMES 3.5 FT WIND TUNNEL TEST(1568), C. BLUMER RSI TILE GAPS RUN(31) 1973 PAGE 49

TT = 1.1468E+03(K) CONF= 4.10
PT = 1.1538E+06(N/M2) GAP = .254 CM
HT = 1.2134E+06(J/KG) STEP = 0.000(CM)
RE/METER= 1.503BE+08
MACH = 5.18
QS = 1.3137E+05(N/M2)
MAN/HT =0.907 FOR HT
MAN/HT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	3.504E+08
201	91.63	-20.54	.75	1.02	1.71E+04	2.299E-02	2.182E-02	2.036	1.129E-02	5.0186E-04	4.7621E-04	SINTON	
202	91.69	-20.54	.51	1.02	3.02E+04	4.064E-02	3.856E-02	3.598	1.129E-02	8.8691E-04	8.4152E-04	SINTON	
203	91.69	-20.54	.24	1.02	8.23E+04	1.110E-01	1.053E-01	9.827	1.129E-02	2.4222E-03	2.2980E-03	SINTON	
204	91.69	-20.22	.10	1.02	1.24E+05	8.479E-02	8.044E-02	7.516	1.128E-02	1.8506E-03	1.7557E-03	SINTON	
205	91.74	-20.54	.05	1.02	9.22E+04	1.245E-01	1.181E-01	11.023	1.130E-02	2.7176E-03	2.5782E-03	SINTON	
206	91.82	-20.27	0.00	1.02	5.39E+04	7.268E-02	6.914E-02	6.455	1.129E-02	1.5906E-03	1.5089E-03	SINTON	
207	92.15	-20.54	0.00	1.02	7.64E+04	1.033E-01	9.799E-02	9.122	1.132E-02	2.2544E-03	2.1387E-03	SINTON	
208	92.45	-20.54	0.00	1.02	4.48E+04	6.059E-02	5.747E-02	5.342	1.134E-02	1.3223E-03	1.2543E-03	SINTON	
209	92.93	-20.54	0.00	1.02	3.71E+04	5.020E-02	4.762E-02	4.413	1.137E-02	1.0955E-03	1.0392E-03	SINTON	
210	94.22	-20.54	0.00	1.02	3.13E+04	4.230E-02	4.013E-02	3.692	1.146E-02	9.2330E-04	8.7587E-04	SINTON	
211	95.46	-20.54	0.00	1.02	3.56E+04	4.813E-02	4.565E-02	4.123	1.166E-02	1.0504E-03	9.9641E-04	SINTON	
212	96.77	-20.54	0.00	1.02	3.45E+04	4.659E-02	4.420E-02	3.860	1.207E-02	1.0170E-03	9.6471E-04	SINTON	
213	99.31	-20.54	0.00	1.02	3.52E+04	4.757E-02	4.512E-02	3.694	1.288E-02	1.0381E-03	9.8482E-04	SINTON	
214	101.85	-20.54	0.00	1.02	3.18E+04	4.298E-02	4.069E-02	3.184	1.382E-02	9.3620E-04	8.8818E-04	SINTON	
215	104.39	-20.53	0.00	1.02	3.09E+04	4.177E-02	4.722E-02	3.359	1.482E-02	1.0862E-03	1.0305E-03	SINTON	
216	91.57	-20.53	1.02	1.02	6.67E+03	8.955E-03	8.498E-03	.794	1.128E-02	1.9544E-04	1.8547E-04	SINTON	
217	91.57	-19.94	1.02	1.02	2.62E+03	3.511E-03	3.332E-03	.313	1.123E-02	7.6635E-05	7.2727E-05	SINTON	
218	91.69	-19.94	.76	1.02	4.40E+03	5.990E-03	5.684E-03	.533	1.124E-02	1.3076E-04	1.2406E-04	SINTON	
219	91.69	-19.94	.51	1.02	5.10E+03	6.870E-03	6.519E-03	.611	1.124E-02	1.4995E-04	1.4228E-04	SINTON	
220	91.69	-19.94	.25	1.02	1.22E+04	1.647E-02	1.563E-02	1.465	1.124E-02	3.5947E-04	3.4107E-04	SINTON	
												RE/M=	3.338E+08
411	76.20	-0.03	0.00	2.03	1.80E+04	2.328E-02	2.210E-02	2.471	9.423E-03	5.1952E-04	4.9316E-04	LNGCUP	
412	76.20	-0.00	.13	2.03	2.14E+04	2.768E-02	2.628E-02	2.938	9.423E-03	6.1768E-04	5.8636E-04	LNGCUP	
413	76.20	-0.00	.25	2.03	1.94E+04	2.507E-02	2.380E-02	2.660	9.423E-03	5.5933E-04	5.3099E-04	LNGCUP	
414	76.20	-0.03	.51	2.03	7.29E+03	9.401E-03	8.925E-03	.998	9.423E-03	2.0976E-04	1.9914E-04	LNGCUP	
415	76.20	-0.00	.76	2.03	4.75E+03	6.111E-03	5.802E-03	.648	9.423E-03	1.3634E-04	1.2945E-04	LNGCUP	
231	91.57	-0.03	2.03										
232	91.64	-0.00	1.77	2.03	1.19E+04	1.535E-02	1.448E-02	1.384	1.102E-02	3.4925E-04	3.2309E-04	SINTON	
233	91.69	-0.00	1.51	2.03	1.82E+04	2.345E-02	2.226E-02	2.128	1.102E-02	5.2324E-04	4.9674E-04	SINTON	
234	91.69	-0.03	1.22	2.03	3.49E+04	4.485E-02	4.258E-02	4.069	1.102E-02	1.0007E-03	9.5013E-04	SINTON	
235	91.69	-0.00	.99	2.03	5.41E+04	6.964E-02	6.612E-02	6.319	1.102E-02	1.5539E-03	1.4754E-03	SINTON	
236	91.69	-0.00	.75	2.03	6.92E+04	8.916E-02	8.465E-02	8.089	1.102E-02	1.9893E-03	1.8887E-03	SINTON	
237	91.69	-0.00	.48	2.03	8.00E+04	1.032E-01	9.801E-02	9.367	1.102E-02	2.3036E-03	2.1869E-03	SINTON	
238	91.69	-0.00	.27	2.03	1.85E+05	2.385E-01	2.265E-01	21.644	1.102E-02	5.3227E-03	5.0528E-03	SINTON	
239	91.69	.32	.13	2.03	1.63E+05	1.402E-01	1.331E-01	12.695	1.105E-02	3.1285E-03	2.9699E-03	SINTON	
240	91.74	-0.00	.05	2.03	1.52E+05	2.005E-01	1.903E-01	18.166	1.104E-02	4.4735E-03	4.2464E-03	SINTON	
241	91.86	.32	0.00	2.03	9.45E+04	1.221E-01	1.159E-01	11.088	1.118E-02	2.7252E-03	2.5878E-03	SINTON	
242	91.94	-0.00	0.00	2.03	1.13E+05	1.464E-01	1.390E-01	13.199	1.109E-02	3.2672E-03	3.1012E-03	SINTON	
243	92.43	-0.00	0.00	2.03	5.46E+04	7.084E-02	6.724E-02	6.301	1.124E-02	1.5806E-03	1.5002E-03	SINTON	
244	92.95	-0.00	0.00	2.03	4.48E+04	5.810E-02	5.514E-02	5.098	1.140E-02	1.2963E-03	1.2304E-03	SINTON	
245	94.22	-0.03	0.00	2.03	3.92E+04	5.670E-02	4.813E-02	4.305	1.178E-02	1.1313E-03	1.0738E-03	SINTON	
246	95.48	-0.00	0.00	2.03	3.32E+04	4.298E-02	4.078E-02	3.514	1.222E-02	9.5846E-04	9.0983E-04	SINTON	

PAGE 50

AMES 3.5 FT WIND TUNNEL TEST1150). C. BLUMER RSI TILE GAPS RUN# 311 1973

T/C	X (CM)	YP (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STI	GAP-TYPE
												Kt/M= 3.217E+06
267	96.75	-0.00	0.00	2.03	4.21E+04	5.446E-02	5.110E-02	4.259	1.279E-02	1.2152E-03	1.1535E-03	SINTON
268	96.79	-0.00	0.00	2.03	3.80E+04	4.657E-02	4.421E-02	3.346	1.392E-02	1.0391E-03	9.8644E-04	SINTON
269	111.83	-0.00	0.00	2.03	3.55E+04	4.391E-02	4.359E-02	3.015	1.523E-02	1.0245E-03	9.7255E-04	SINTON
270	111.38	-0.00	0.00	2.03	3.89E+04	5.017E-02	4.763E-02	3.819	1.662E-02	1.1195E-03	1.0628E-03	SINTON
255	91.57	1.59	2.03	2.03	1.10E+03	1.407E-03	1.336E-03	.127	1.111E-02	3.1395E-05	2.9814E-05	SINTON
256	91.59	1.59	1.51	2.03	6.73E+03	8.649E-03	8.212E-03	.778	1.115E-02	1.9297E-04	1.8326E-04	SINTON
257	91.59	1.59	1.01	2.03	1.27E+04	1.631E-02	1.549E-02	1.464	1.115E-02	3.6397E-04	3.4557E-04	SINTON
258	91.69	1.59	.47	2.03	1.53E+04	1.699E-02	1.599E-02	1.511	1.113E-02	3.7580E-04	3.5676E-04	SINTON
259	91.59	1.59	.26	2.03	2.37E+04	3.066E-02	2.911E-02	2.751	1.115E-02	6.8412E-04	6.4943E-04	SINTON
265	91.57	3.11	2.03	2.03	1.83E+03	2.351E-03	2.232E-03	.209	1.124E-02	5.2454E-05	4.9809E-05	SINTON
266	91.69	3.11	1.47	2.03	3.27E+03	4.200E-03	3.988E-03	.372	1.128E-02	9.3711E-05	8.8982E-05	SINTON
267	91.69	3.11	.77	2.03	1.69E+03	2.163E-03	2.053E-03	.186	1.128E-02	1.9774E-04	1.8777E-04	SINTON
268	91.69	3.11	.51	2.03	4.76E+03	8.717E-03	8.276E-03	.773	1.128E-02	1.9 .0L-04	1.8466L-04	SINTON
269	91.69	3.11	.26	2.03	1.29E+04	1.609E-02	1.528E-02	1.427	1.128E-02	3.4909L-04	3.4890L-04	SINTON
271	91.69	20.53	3.05	0.06	3.13E+02	3.905E-04	3.709E-04	.030	1.301E-02	8.857EE-06	8.4139L-06	SINTON
272	91.69	20.53	3.01	0.06	8.66E+02	1.072E-03	1.018E-03	.082	1.301E-02	2.4311E-05	2.3093E-05	SINTON
273	91.69	20.53	2.51	0.06	1.62E+03	2.021E-03	1.919E-03	.155	1.301E-02	4.5841E-05	4.3544E-05	SINTON
274	91.69	20.53	2.01	0.06	5.23E+03	6.519E-03	6.192E-03	.501	1.301E-02	1.4769E-04	1.4647E-04	SINTON
275	91.69	20.53	1.52	0.06	1.72E+04	2.152E-02	2.044E-02	1.654	1.301E-02	4.8824E-04	4.6373E-04	SINTON
276	91.69	20.53	1.24	0.06	3.17E+04	3.957E-02	3.758E-02	3.042	1.301E-02	8.9764E-04	8.5254E-04	SINTON
277	91.69	20.53	1.00	0.06	4.34E+04	5.426E-02	5.152E-02	4.169	1.301E-02	1.2305E-03	1.1686E-03	SINTON
278	91.69	20.53	.74	0.06	6.02E+04	7.547E-02	7.167E-02	5.861	1.301E-02	1.7122E-03	1.6259E-03	SINTON
279	91.69	20.53	.50	0.06	8.47E+04	8.617E-02	8.182E-02	6.623	1.301E-02	1.9548E-03	1.8562E-03	SINTON
280	91.69	20.53	.24	0.06	1.84E+05	2.067E-01	1.963E-01	15.886	1.301E-02	4.6890E-03	4.4521E-03	SINTON
281	91.74	20.53	.05	0.06	1.59E+05	1.996E-01	1.895E-01	15.320	1.302E-02	4.5204E-03	4.2993E-03	SINTON
282	91.93	20.53	0.00	0.06	1.16E+05	1.463E-01	1.389E-01	11.190	1.307E-02	3.3185E-03	3.1504E-03	SINTON
283	92.46	20.53	0.00	0.06	5.86E+04	7.405E-02	7.030E-02	5.603	1.322E-02	1.6799E-03	1.5967E-03	SINTON
284	92.96	20.53	0.00	0.06	4.60E+04	5.821E-02	5.525E-02	4.360	1.335E-02	1.3204E-03	1.2534E-03	SINTON
285	94.21	21.53	0.00	0.06	3.90E+04	4.941E-02	4.690E-02	3.610	1.369E-02	1.1210E-03	1.0639E-03	SINTON
286	95.51	21.53	0.00	0.06	3.53E+04	4.543E-02	4.312E-02	3.237	1.403E-02	1.0306E-03	9.7817E-04	SINTON
287	96.76	20.53	0.00	0.06	3.60E+04	4.622E-02	4.577E-02	3.358	1.436E-02	1.0939E-03	1.0382E-03	SINTON
288	99.29	20.53	0.00	0.05	3.31E+04	4.211E-02	3.996E-02	2.803	1.502E-02	9.5521E-04	9.0640E-04	SINTON
289	101.83	20.53	0.00	0.06	3.78E+04	4.816E-02	4.569E-02	2.971	1.621E-02	1.0925E-03	1.0366E-03	SINTON
290	104.38	20.53	0.00	0.06	4.19E+04	5.326E-02	5.054E-02	3.025	1.761E-02	1.2083E-03	1.1466E-03	SINTON

AMES 3.5 FT WIND TUNNEL TEST.158), C. BLUMER RSI TILE GAPS RUN(32) 1973 PAGE 51

TT = 1.1504E+03(K) CONF= 4.10
PT = 9.2274E+05(N/M2) GAP = .254 CM
HT = 1.2196E+06(J/KG) STEP = .159(CM)
RE/METER= 2.4853E+06
MACH = 5.10
QS = 1.1153E+05(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	2.485E+06
201	91.69	-20.56	.75	1.02	1.33E+04	1.783E-02	1.692E-02	2.097	8.500E-03	5.4691E-04	5.1903E-04	SINTON	
202	91.69	-20.56	.51	1.02	2.65E+04	3.553E-02	3.369E-02	4.176	8.500E-03	1.0891E-03	1.0335E-03	SINTON	
203	91.69	-20.56	.28	1.02	7.59E+04	1.018E-01	9.656E-02	11.972	8.500E-03	3.1219E-03	2.9623E-03	SINTON	
204	91.69	-20.22	.10	1.02	5.49E+04	7.365E-02	6.988E-02	8.672	8.493E-03	2.2594E-03	2.1438E-03	SINTON	
205	91.74	-20.56	.35	1.02	8.98E+04	1.205E-01	1.143E-01	14.177	8.497E-03	3.6957E-03	3.5066E-03	SINTON	
206	91.82	-20.22	0.00	1.02	4.01E+04	5.383E-02	5.108E-02	6.344	8.486E-03	1.6515E-03	1.5670E-03	SINTON	
207	92.15	-20.56	0.00	1.02	6.44E+04	8.646E-02	8.204E-02	10.204	8.474E-03	2.6526E-03	2.5168E-03	SINTON	
208	92.45	-20.56	0.00	1.02	3.63E+04	4.884E-02	4.634E-02	5.775	8.457E-03	1.4983E-03	1.4216E-03	SINTON	
209	92.93	-20.56	0.00	1.02	2.89E+04	3.888E-02	3.689E-02	4.613	8.429E-03	1.1928E-03	1.1316E-03	SINTON	
210	94.22	-20.56	0.30	1.02	2.22E+04	2.974E-02	2.822E-02	3.500	8.354E-03	9.1244E-04	8.6573E-04	SINTON	
211	95.46	-20.56	0.00	1.02	2.18E+04	2.929E-02	2.779E-02	3.520	8.319E-03	8.9849E-04	8.5251E-04	SINTON	
212	96.77	-20.56	0.00	1.02	2.09E+04	2.810E-02	2.666E-02	3.367	8.347E-03	8.6207E-04	8.1795E-04	SINTON	
213	99.31	-20.56	0.30	1.02	1.95E+04	2.618E-02	2.484E-02	3.116	8.401E-03	8.0316E-04	7.6202E-04	SINTON	
214	101.95	-20.56	0.00	1.02	1.85E+04	2.484E-02	2.357E-02	3.055	8.131E-03	7.6241E-04	7.2307E-04	SINTON	
215	104.39	-20.53	0.00	1.02	2.12E+04	2.843E-02	2.693E-02	3.673	7.739E-03	8.7221E-04	8.2768E-04	SINTON	
216	91.57	-20.53	1.02	1.02	6.68E+03	8.917E-03	8.463E-03	1.848	8.507E-03	2.7355E-04	2.5963E-04	SINTON	
217	91.57	-18.34	1.02	1.02	2.75E+03	3.676E-03	3.489E-03	.634	8.470E-03	1.1278E-04	1.0704E-04	SINTON	
218	91.69	-18.34	.76	1.02	4.62E+03	6.171E-03	5.857E-03	.729	8.465E-03	1.8933E-04	1.7968E-04	SINTON	
219	91.69	-18.34	.51	1.02	5.03E+03	6.695E-03	6.354E-03	.791	8.465E-03	2.0540E-04	1.9492E-04	SINTON	
220	91.69	-18.34	.25	1.02	7.18E+03	9.620E-03	9.129E-03	1.136	8.465E-03	2.9513E-04	2.8005E-04	SINTON	
												RE/M=	2.388E+06
411	76.20	-3.30	0.00	2.03	1.09E+04	2.171E-02	2.061E-02	2.709	8.014E-03	6.8098E-04	6.4656E-04	LNGGUP	
412	76.20	-0.00	.13	2.03	1.88E+04	2.412E-02	2.298E-02	3.010	8.014E-03	7.5666E-04	7.1843E-04	LNGGUP	
413	76.20	-0.00	.25	2.03	1.68E+04	2.151E-02	2.042E-02	2.684	8.014E-03	6.7465E-04	6.4059E-04	LNGGUP	
414	76.20	-0.30	.51	2.03	6.77E+03	8.666E-03	8.229E-03	1.081	8.014E-03	2.7183E-04	2.5812E-04	LNGGUP	
415	76.20	-0.60	.76	2.03	4.78E+03	6.007E-03	5.704E-03	.750	8.014E-03	1.8844E-04	1.7895E-04	LNGGUP	
231	91.57	-0.00	2.03	2.33	2.23E+02	2.871E-04	2.726E-04	.035	8.162E-03	9.0056E-06	8.5528E-06	SINTON	
232	91.69	-0.00	1.77	2.03	7.72E+03	9.861E-03	9.364E-03	1.207	8.167E-03	3.0932E-04	2.9375E-04	SINTON	
233	91.69	-0.00	1.51	2.03	6.26E+03	8.026E-03	7.621E-03	.983	8.167E-03	2.5178E-04	2.3906E-04	SINTON	
234	91.69	-0.00	1.22	2.03	8.98E+03	1.148E-02	1.091E-02	1.406	8.167E-03	3.6025E-04	3.4210E-04	SINTON	
235	91.69	-0.00	.99	2.03	1.17E+04	1.508E-02	1.424E-02	1.836	8.167E-03	4.7046E-04	4.4674E-04	SINTON	
236	91.69	-0.00	.75	2.03	1.53E+04	1.956E-02	1.857E-02	2.395	8.167E-03	6.1354E-04	5.8257E-04	SINTON	
237	91.69	-0.00	.48	2.03	2.50E+04	3.208E-02	3.045E-02	3.927	8.167E-03	1.0062E-03	9.5535E-04	SINTON	
238	91.69	-0.60	.27	2.03	7.39E+04	9.482E-02	9.002E-02	11.609	8.167E-03	2.9743E-03	2.8239E-03	SINTON	
239	91.69	.32	.13	2.03	9.27E+04	1.191E-01	1.130E-01	14.566	8.173E-03	3.7340E-03	3.5457E-03	SINTON	
240	91.74	-0.30	.35	2.03	8.90E+04	1.153E-01	1.094E-01	14.108	8.169E-03	3.6155E-03	3.4325E-03	SINTON	
241	91.86	.32	0.00	2.03	8.73E+04	1.121E-01	1.065E-01	13.787	8.181E-03	3.5176E-03	3.3396E-03	SINTON	
242	91.34	-0.00	0.00	2.03	7.21E+04	9.280E-02	8.810E-02	11.348	8.178E-03	2.9112E-03	2.7637E-03	SINTON	
243	92.43	-0.00	0.00	2.03	4.12E+04	5.304E-02	5.035E-02	6.468	8.200E-03	1.6638E-03	1.5795E-03	SINTON	
244	92.95	-0.00	0.00	2.03	3.44E+04	4.688E-02	4.451E-02	5.702	8.222E-03	1.4707E-03	1.3962E-03	SINTON	
245	94.22	-0.00	0.00	2.03	3.28E+04	4.211E-02	3.998E-02	5.087	8.278E-03	1.3209E-03	1.2541E-03	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(32) 1973 PAGE 52

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
266	95.48	-0.00	0.00	2.03	2.74E+04	3.516E-02	3.338E-02	4.222	8.328E-03	1.103uE-03	1.0472E-03	SINTON
267	96.73	-0.00	0.00	2.03	3.29E+04	4.226E-02	4.012E-02	5.050	8.369E-03	1.3257E-03	1.2586E-03	SINTON
268	99.23	-0.00	0.00	2.03	2.91E+04	3.736E-02	3.545E-02	4.418	8.451E-03	1.1713E-03	1.1121E-03	SINTON
269	101.83	-0.00	0.00	2.03	2.91E+04	3.728E-02	3.539E-02	4.386	8.500E-03	1.1694E-03	1.1103E-03	SINTON
258	104.38	-0.00	0.00	2.03	3.16E+04	4.046E-02	3.842E-02	4.746	8.536E-03	1.2693E-03	1.2052E-03	SINTON
255	91.57	1.59	2.03	2.03	2.28E+03	2.905E-03	2.759E-03	.355	8.193E-03	9.1136E-05	8.6554E-05	SINTON
256	91.69	1.59	1.51	2.03	6.92E+03	8.846E-03	8.401E-03	1.079	8.199E-03	2.7750E-04	2.6352E-04	SINTON
257	91.69	1.59	1.01	2.03	7.43E+03	9.590E-03	9.106E-03	1.170	8.199E-03	3.0084E-04	2.8566E-04	SINTON
258	91.69	1.59	.47	2.03	1.17E+04	1.500E-02	1.424E-02	1.830	8.199E-03	4.7053E-04	4.4674E-04	SINTON
259	91.69	1.59	.26	2.03	2.75E+04	3.526E-02	3.348E-02	4.301	8.199E-03	1.1062E-03	1.0502E-03	SINTON
265	91.57	3.11	2.03	2.03	1.23E+03	1.576E-03	1.497E-03	.192	8.227E-03	4.9444E-05	4.6957E-05	SINTON
266	91.69	3.11	1.47									
267	91.69	3.11	.98	2.03	2.66E+03	3.407E-03	3.235E-03	.414	8.233E-03	1.0687E-04	1.0149E-04	SINTON
268	91.69	3.11	.51	2.03	3.12E+03	3.998E-03	3.796E-03	.486	8.233E-03	1.2546E-04	1.1907E-04	SINTON
269	91.69	3.11	.26	2.03	6.92E+03	8.877E-03	8.429E-03	1.078	8.233E-03	2.7847E-04	2.6440E-04	SINTON
											RE/M=	2.292E+06
271	91.69	20.53	3.45	4.06	2.03E+03	2.516E-03	2.390E-03	.293	8.589E-03	8.0081E-05	7.6078E-05	SINTON
272	91.69	20.53	3.01	4.06	4.43E+03	5.472E-03	5.199E-03	.637	8.589E-03	1.7417E-04	1.6546E-04	SINTON
273	91.69	20.53	2.51	4.06	5.23E+03	6.438E-03	6.173E-03	.757	8.589E-03	2.0680E-04	1.9646E-04	SINTON
274	91.69	20.53	2.01	4.06	7.20E+03	8.962E-03	8.514E-03	1.043	8.589E-03	2.8524E-04	2.7096E-04	SINTON
275	91.69	20.53	1.52	4.06	1.30E+04	1.615E-02	1.534E-02	1.880	8.589E-03	5.1385E-04	4.8818E-04	SINTON
276	91.69	20.53	1.26	4.06	2.12E+04	2.641E-02	2.508E-02	3.074	8.589E-03	8.4043E-04	7.9829E-04	SINTON
277	91.69	20.53	1.00	4.06	2.90E+04	3.615E-02	3.433E-02	4.209	8.589E-03	1.1505E-03	1.0928E-03	SINTON
278	91.69	20.53	.74	4.06	4.32E+04	5.394E-02	5.123E-02	6.280	8.589E-03	1.7168E-03	1.6305E-03	SINTON
279	91.69	20.53	.24	4.06	5.94E+04	7.405E-02	7.109E-02	8.715	8.589E-03	2.3823E-03	2.2624E-03	SINTON
280	91.69	20.53	.24	4.06	1.75E+05	2.197E-01	2.086E-01	25.576	8.589E-03	6.9916E-03	6.6391E-03	SINTON
281	91.74	20.53	.45	4.06	1.40E+05	2.264E-01	2.150E-01	26.362	8.590E-03	7.2068E-03	6.8429E-03	SINTON
282	91.93	20.53	0.00	4.06	1.28E+05	1.607E-01	1.525E-01	18.701	8.591E-03	5.1135E-03	4.8551E-03	SINTON
283	92.46	20.53	0.00	4.06	5.99E+04	7.529E-02	7.148E-02	8.759	8.596E-03	2.3962E-03	2.2758E-03	SINTON
284	92.96	20.53	0.00	4.06	4.70E+04	5.917E-02	5.618E-02	6.881	8.600E-03	1.8833E-03	1.7888E-03	SINTON
285	94.21	20.53	0.00	4.06	3.79E+04	4.772E-02	4.531E-02	5.543	8.610E-03	1.5189E-03	1.4419E-03	SINTON
286	95.51	20.53	0.00	4.06	3.21E+04	4.048E-02	3.843E-02	4.701	8.611E-03	1.2883E-03	1.2231E-03	SINTON
287	96.76	20.53	0.00	4.06	3.13E+04	3.949E-02	3.749E-02	4.595	8.596E-03	1.2578E-03	1.1932E-03	SINTON
288	99.29	20.53	0.00	4.06	2.88E+04	3.638E-02	3.453E-02	4.247	8.566E-03	1.1578E-03	1.0990E-03	SINTON
289	101.83	20.53	0.00	4.06	2.94E+04	3.742E-02	3.552E-02	4.324	8.655E-03	1.1911E-03	1.1305E-03	SINTON
293	104.38	20.53	0.00	4.06	3.15E+04	3.986E-02	3.784E-02	4.535	8.791E-03	1.2687E-03	1.2043E-03	SINTON

AMES 3.5 FT WIND TUNNEL TEST(150), C. BLUMER RSI TILE GAPS RUN(33) 1973 PAGE 53

TT = 1.1439E+03(K) CONF= 4.10
PT = 4.6554E+05(N/M2) GAP = .254 CM
HT = 1.2121E+06(J/KG) STEP = .159(CM)
RE/METER= 1.4200E+06
MACH = 5.10
QS = 9.3195E+04(W/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.420E+06
231	91.69	-20.34	.75	1.02	1.08E+03	1.463E-03	1.388E-03	.197	7.410E-03	7.8965E-05	7.4928E-05	SINTON	
232	91.69	-20.54	.51	1.02	2.94E+03	3.920E-03	3.719E-03	.529	7.410E-03	2.1158E-04	2.0075E-04	SINTON	
233	91.69	-20.54	.28	1.02	8.62E+03	1.165E-02	1.105E-02	1.572	7.410E-03	6.2866E-04	5.9647E-04	SINTON	
234	91.69	-20.22	.10	1.02	4.06E+03	5.492E-03	5.211E-03	.744	7.387E-03	2.9646E-04	2.8128E-04	SINTON	
235	91.74	-20.54	.05	1.02	9.67E+03	1.308E-02	1.241E-02	1.766	7.408E-03	7.0598E-04	6.6981E-04	SINTON	
236	91.82	-20.22	0.00	1.02	2.84E+03	3.910E-03	3.710E-03	.530	7.382E-03	2.1108E-04	2.0026E-04	SINTON	
237	92.15	-20.54	0.00	1.02	1.33E+04	1.474E-02	1.399E-02	1.994	7.392E-03	7.9583E-04	7.5504E-04	SINTON	
238	92.45	-20.54	0.00	1.02	8.25E+03	1.117E-02	1.060E-02	1.513	7.381E-03	6.0884E-04	5.7193E-04	SINTON	
239	92.93	-20.54	0.00	1.02	6.72E+03	9.095E-03	8.629E-03	1.235	7.362E-03	4.9094E-04	4.6576E-04	SINTON	
240	94.22	-20.54	0.00	1.02	5.41E+03	7.320E-03	6.945E-03	1.001	7.313E-03	3.9513E-04	3.7488E-04	SINTON	
241	95.46	-20.54	0.00	1.02	5.20E+03	7.121E-03	6.756E-03	.979	7.273E-03	3.8437E-04	3.6467E-04	SINTON	
242	96.77	-20.54	0.00	1.02	5.06E+03	6.845E-03	6.494E-03	.944	7.247E-03	3.6945E-04	3.5052E-04	SINTON	
243	99.31	-20.54	0.00	1.02	4.35E+03	5.885E-03	5.583E-03	.818	7.196E-03	3.1764E-04	3.0137E-04	SINTON	
244	101.85	-20.54	0.00	1.02	3.78E+03	5.107E-03	4.845E-03	.745	6.853E-03	2.7566E-04	2.6155E-04	SINTON	
245	104.39	-20.51	0.00	1.02	4.24E+03	5.732E-03	5.438E-03	.895	6.401E-03	3.0938E-04	2.9354E-04	SINTON	
246	91.57	-20.53	1.02	1.02	2.47E+02	3.329E-04	3.159E-04	.845	7.414E-03	1.7967E-05	1.7049E-05	SINTON	
247	91.57	-19.34	1.02	1.02	5.42E-01	7.306E-07	6.933E-07	.000	7.303E-03	3.9436E-08	3.7421E-08	SINTON	
248	91.69	-19.94	.76	1.02	3.16E+02	4.261E-04	4.043E-04	.058	7.298E-03	2.2999E-05	2.1823E-05	SINTON	
249	91.69	-19.34	.51	1.02	1.08E+03	1.434E-03	1.361E-03	.197	7.298E-03	7.7408E-05	7.3448E-05	SINTON	
250	91.69	-19.94	.25	1.02	3.38E+03	4.565E-03	4.331E-03	.625	7.298E-03	2.4639E-04	2.3378E-04	SINTON	
													RE/M= 1.356E+06
411	76.20	-0.00	0.00	2.03	8.59E+03	1.114E-02	1.058E-02	1.545	7.213E-03	6.1413E-04	5.8308E-04	LNGCUP	
412	76.20	-0.00	.13	2.03	7.23E+03	9.377E-03	8.902E-03	1.300	7.213E-03	5.1675E-04	4.9056E-04	LNGCUP	
413	76.20	-0.00	.25	2.03	5.48E+03	7.085E-03	6.726E-03	.982	7.213E-03	3.9044E-04	3.7066E-04	LNGCUP	
414	76.20	-0.00	.51	2.03	1.63E+03	2.115E-03	2.008E-03	.293	7.213E-03	1.1658E-04	1.1068E-04	LNGCUP	
415	76.20	-0.00	.76	2.03	5.72E+02	7.412E-04	7.037E-04	.103	7.213E-03	4.0840E-05	3.8781E-05	LNGCUP	
231	91.57	-0.00	2.33	2.03	3.63E+03	4.702E-03	4.464E-03	.703	6.693E-03	2.5912E-04	2.4602E-04	SINTON	
232	91.69	-0.00	1.77	2.03	3.37E+03	4.359E-03	4.138E-03	.652	6.684E-03	2.4026E-04	2.2806E-04	SINTON	
233	91.69	-0.00	1.51	2.03	2.28E+03	2.956E-03	2.807E-03	.442	6.684E-03	1.6299E-0	1.5472E-04	SINTON	
234	91.69	-0.00	1.22	2.03	4.20E+03	5.433E-03	5.159E-03	.813	6.684E-03	2.9943E-04	2.8428E-04	SINTON	
235	91.69	-0.00	.99	2.03	7.31E+03	9.475E-03	8.995E-03	1.417	6.684E-03	5.2214E-04	4.9571E-04	SINTON	
236	91.69	-0.00	.75	2.03	1.14E+04	1.480E-02	1.405E-02	2.214	6.684E-03	8.1568E-04	7.7437E-04	SINTON	
237	91.69	-0.00	.48	2.03	1.75E+04	2.265E-02	2.151E-02	3.389	6.684E-03	1.2484E-03	1.1851E-03	SINTON	
238	91.69	-0.00	.27	2.03	4.96E+04	6.415E-02	6.090E-02	9.598	6.684E-03	3.5354E-03	3.3561E-03	SINTON	
239	91.69	.32	.13	2.03	4.59E+04	5.959E-02	5.657E-02	8.910	6.688E-03	3.2838E-03	3.1174E-03	SINTON	
240	91.74	-0.00	.05	2.03	6.14E+04	7.980E-02	7.575E-02	11.944	6.681E-03	4.3976E-03	4.1745E-03	SINTON	
241	91.86	.32	0.00	2.03	4.32E+04	5.614E-02	5.329E-02	8.408	6.677E-03	3.0938E-03	2.9369E-03	SINTON	
242	91.94	-0.00	0.00	2.03	4.20E+04	5.456E-02	5.179E-02	8.182	6.668E-03	3.0066E-03	2.8540E-03	SINTON	
243	92.43	-0.00	0.00	2.03	2.70E+04	3.510E-02	3.332E-02	5.291	6.635E-03	1.9345E-03	1.8363E-03	SINTON	
244	92.95	-0.00	0.00	2.03	2.31E+04	3.006E-02	2.853E-02	4.554	6.600E-03	1.6563E-03	1.5722E-03	SINTON	
245	94.22	-0.00	0.00	2.03	1.38E+04	2.443E-02	2.320E-02	3.751	6.514E-03	1.3466E-03	1.2782E-03	SINTON	

PAGE 54

AMES 3.5 FT WIND TUNNEL TEST(1580). C. BLUMER RSI TILE GAPS RUN(33) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
246	95.48	-0.00	0.00	2.03	1.45E+04	1.87E-02	1.78E-02	2.90	6.46E-03	1.03E-03	9.82E-04	SINTON	
247	96.75	-0.00	0.00	2.03	1.58E+04	2.05E-02	1.94E-02	3.17	6.47E-03	1.13E-03	1.07E-03	SINTON	
248	99.29	-0.00	0.00	2.03	1.32E+04	1.70E-02	1.62E-02	2.64	6.46E-03	9.41E-04	8.94E-04	SINTON	
249	101.83	-0.00	0.00	2.03	1.26E+04	1.66E-02	1.57E-02	2.66	6.38E-03	9.16E-04	8.70E-04	SINTON	
250	104.38	-0.00	0.00	2.03	1.28E+04	1.66E-02	1.57E-02	2.66	6.23E-03	9.14E-04	8.66E-04	SINTON	
255	91.57	1.59	2.03	2.03	8.29E+02	1.07E-03	1.01E-03	.160	6.71E-03	5.91E-05	5.61E-05	SINTON	
256	91.69	1.59	1.51	2.03	2.06E+03	2.69E-03	2.45E-03	.402	6.70E-03	1.48E-04	1.41E-04	SINTON	
257	91.69	1.59	1.01	2.03	1.40E+03	1.89E-03	1.80E-03	.283	6.70E-03	1.04E-04	9.93E-05	SINTON	
258	91.69	1.59	.47	2.03	1.50E+03	1.95E-03	1.85E-03	.291	6.70E-03	1.07E-04	1.02E-04	SINTON	
259	91.69	1.59	.26	2.03	3.00E+03	3.90E-03	3.70E-03	.582	6.70E-03	2.15E-04	2.04E-04	SINTON	
265	91.57	3.11	2.03	2.03	1.56E+02	2.02E-04	1.91E-04	.030	6.74E-03	1.11E-05	1.07E-05	SINTON	
266	91.69	3.11	1.47										KE/M= 1.32E+06
267	91.69	3.11	.78	2.03	5.10E+02	6.61E-04	6.27E-04	.098	6.74E-03	3.64E-05	3.45E-05	SINTON	
268	91.69	3.11	.51	2.03	9.49E+02	1.22E-03	1.16E-03	.182	6.74E-03	6.76E-05	6.42E-05	SINTON	
269	91.69	3.11	.26	2.03	3.13E+03	4.14E-03	3.93E-03	.615	6.74E-03	2.28E-04	2.16E-04	SINTON	
271	91.69	20.53	1.45	4.06	6.73E+02	1.11E-03	1.06E-03	.143	7.83E-03	6.21E-05	5.90E-05	SINTON	
272	91.69	20.53	1.01	4.06	1.82E+03	2.41E-03	2.19E-03	.296	7.83E-03	1.29E-04	1.22E-04	SINTON	
273	91.69	20.53	.78	4.06	2.48E+03	3.15E-03	2.93E-03	.402	7.83E-03	1.75E-04	1.66E-04	SINTON	
274	91.69	20.53	2.01	4.06	2.91E+03	3.70E-03	3.45E-03	.484	7.93E-03	2.11E-04	2.00E-04	SINTON	
275	91.69	20.53	1.52	4.06	4.23E+03	5.40E-03	5.15E-03	.697	7.83E-03	3.04E-04	2.88E-04	SINTON	
276	91.69	20.53	1.24	4.06	6.43E+03	8.21E-03	7.79E-03	1.048	7.83E-03	4.57E-04	4.34E-04	SINTON	
277	91.69	20.53	1.00	4.06	8.83E+03	1.12E-02	1.06E-02	1.436	7.83E-03	6.26E-04	5.95E-04	SINTON	
278	91.69	20.53	.74	4.06	1.44E+04	1.83E-02	1.74E-02	2.292	7.93E-03	1.00E-03	9.49E-04	SINTON	
279	91.69	20.53	.50	4.06	1.99E+04	2.53E-02	2.40E-02	3.239	7.83E-03	1.41E-03	1.34E-03	SINTON	
280	91.69	20.53	.24	4.06	6.48E+04	8.25E-02	7.83E-02	10.541	7.83E-03	4.60E-03	4.36E-03	SINTON	
281	91.74	20.53	.05	4.06	6.44E+04	8.23E-02	7.81E-02	10.514	7.83E-03	4.58E-03	4.35E-03	SINTON	
282	91.93	20.53	0.00	4.06	5.43E+04	6.95E-02	6.60E-02	8.889	7.82E-03	3.87E-03	3.67E-03	SINTON	
283	92.46	20.53	0.00	4.06	3.25E+04	4.16E-02	3.95E-02	5.343	7.80E-03	2.32E-03	2.20E-03	SINTON	
284	92.96	20.53	0.00	4.06	2.89E+04	3.70E-02	3.51E-02	4.762	7.78E-03	2.06E-03	1.96E-03	SINTON	
285	94.21	20.53	0.00	4.06	2.35E+04	3.01E-02	2.86E-02	3.899	7.73E-03	1.67E-03	1.59E-03	SINTON	
286	95.51	20.53	0.00	4.06	1.99E+04	2.55E-02	2.42E-02	3.322	7.68E-03	1.42E-03	1.34E-03	SINTON	
287	96.76	20.53	0.00	4.06	1.87E+04	2.40E-02	2.27E-02	3.144	7.63E-03	1.33E-03	1.26E-03	SINTON	
288	99.29	20.53	0.00	4.06	1.67E+04	2.14E-02	2.03E-02	2.841	7.53E-03	1.18E-03	1.13E-03	SINTON	
289	101.83	20.53	0.00	4.06	1.73E+04	2.22E-02	2.10E-02	3.002	7.39E-03	1.17E-03	1.11E-03	SINTON	
290	104.38	20.53	0.00	4.06	1.76E+04	2.26E-02	2.15E-02	3.130	7.23E-03	1.26E-03	1.19E-03	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1568), C. BLUMER RSI TILE GAPS RUN(34) 1973

TT = 1.1516E+03(K) CONF= 3.50
PT = 4.5644E+05(N/M2) GAP = .254 CM
HT = 1.2212E+07(J/KG) STEP = 0.000(CM)
RE/METER= 1.3758E+06
MACH = 5.10
QS = 8.3570E+04(W/M2)
MAW/HT =0.967 FOR HT
MAW/HT =0.974 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
												RE/M= 1.376E+06
281	122.17	-20.54	.75									
282	122.17	-20.54	.51									
283	122.17	-20.54	.28									
284	122.17	-20.22	.10									
285	122.22	-20.54	.05									
286	122.38	-20.22	0.00									
287	122.63	-20.54	0.00									
288	122.93	-20.54	0.00									
289	123.41	-20.54	0.00									
210	124.78	-20.54	0.00									
												RE/M= 1.286E+06
381	31.75	-0.00	0.00	0.00	7.77E+03	9.723E-03	9.237E-03	.866	1.123E-02	5.5503E-04	5.2.28E-04	MULTPL
382	34.16	-0.00	0.00	0.00	7.53E+03	9.423E-03	8.952E-03	.859	1.097E-02	5.3790E-04	5.1188E-04	MULTPL
383	37.97	-0.00	0.00	0.00	7.06E+03	8.832E-03	8.391E-03	.837	1.055E-02	5.0418E-04	4.7899E-04	MULTPL
384	57.02	-0.00	0.00	0.00	6.58E+03	8.238E-03	7.826E-03	.946	8.708E-03	4.7025E-04	4.4673E-04	MULTPL
385	59.44	-0.00	0.00	0.00	6.56E+03	8.206E-03	7.796E-03	.962	8.531E-03	4.6845E-04	4.4504E-04	MULTPL
386	46.99	-0.00	0.00	0.00	5.97E+03	7.473E-03	7.099E-03	.782	9.554E-03	4.2658E-04	4.0526E-04	MULTPL
387	49.40	-0.00	0.00	0.00	5.83E+03	7.290E-03	6.926E-03	.785	9.289E-03	4.1615E-04	3.9534E-04	MULTPL
388	53.21	-0.00	0.00	0.00	5.35E+03	6.694E-03	6.360E-03	.745	8.988E-03	3.8213E-04	3.6304E-04	MULTPL
389	72.26	-0.00	0.00	0.00	5.33E+03	6.663E-03	6.330E-03	.928	7.244E-03	3.8037E-04	3.6136E-04	MULTPL
310	74.68	-0.00	0.00	0.00	5.37E+03	6.718E-03	6.382E-03	.934	7.196E-03	3.8347E-04	3.6432E-04	MULTPL
311	62.23	-0.00	0.00	0.00	5.24E+03	6.558E-03	6.231E-03	.798	8.222E-03	3.7437E-04	3.5566E-04	MULTPL
312	64.64	-0.00	0.00	0.00	5.35E+03	6.780E-03	6.365E-03	.845	7.932E-03	3.8248E-04	3.6335E-04	MULTPL
313	68.45	-0.00	0.00	0.00	4.90E+03	6.133E-03	5.827E-03	.820	7.475E-03	3.5011E-04	3.3261E-04	MULTPL
314	87.50	-0.00	0.00	0.00	4.05E+03	5.037E-03	4.785E-03	.739	6.815E-03	2.8752E-04	2.7315E-04	MULTPL
315	39.92	-0.00	0.00	0.00	4.63E+03	5.792E-03	5.503E-03	.861	6.726E-03	3.3064E-04	3.1413E-04	MULTPL
316	77.47	-0.00	0.00	0.00	5.15E+03	6.443E-03	6.121E-03	.982	7.140E-03	3.6788E-04	3.4941E-04	MULTPL
317	80.77	-0.00	0.00	0.00	4.99E+03	6.242E-03	5.930E-03	.884	7.061E-03	3.5634E-04	3.3853E-04	MULTPL
318	8.38	-0.00	0.00	0.00	4.48E+03	5.625E-03	5.343E-03	.488	1.388E-02	3.2112E-04	3.0502E-04	MULTPL
319	10.88	-0.00	0.00	0.00	4.82E+03	6.034E-03	5.732E-03	.446	1.354E-02	3.4444E-04	3.2723E-04	MULTPL
231	122.09	-1.00	2.03									
232	122.17	-1.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75									
237	122.17	-0.00	.48									
238	122.17	-0.00	.27									
239	122.17	.22	.13									
240	122.22	-0.00	.05									
241	122.34	.12	0.00									
242	122.42	-0.00	0.00									
243	122.91	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.78	-0.00	0.00									
246	125.96	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
24	132.31	-0.00	0.00									

RE/RN= 1.252E+06

RE/RN= 1.376E+06

RE/RN= 1.286E+06

25	134.06	-6.08	0.00															
261	122.17	3.11	.26															
262	122.17	3.11	.51															
263	122.17	3.11	.76															
264	122.17	3.11	1.47															
265	122.85	3.11	2.03															
266	122.17	3.11	1.47															
267	122.17	3.11	.76															
268	122.17	3.11	.51															
269	122.17	3.11	.26															
271	122.17	20.53	3.65															
272	122.17	20.53	3.64															
273	122.17	20.53	2.54															
274	122.17	20.53	2.01															
275	122.17	20.53	1.52															
276	122.17	20.53	1.26															
277	122.17	20.53	1.00															
278	122.17	20.53	.76															
279	122.17	20.53	.50															
280	122.17	20.53	.24															
281	122.22	20.53	.05															
282	122.41	20.53	0.00															
283	122.34	20.53	0.00															
284	123.44	20.53	0.00															
285	124.09	20.53	0.00															
291	122.17	-20.54	.75	1.02	3.06E+01	5.12E-05	4.86E-05	.807	7.30E-03	2.03E-06	2.69E-06	.010	5.29E-03	3.09E-06	2.94E-06	SINTON		
292	122.17	-20.54	.51	1.02	3.53E+02	4.68E-04	4.44E-04	.804	7.30E-03	2.59E-05	2.46E-05	.105	5.28E-03	3.17E-05	3.01E-05	SINTON		
293	122.17	-20.54	.28	1.02	1.73E+01	2.19E-03	2.17E-03	.314	7.30E-03	1.27E-04	1.28E-04	.007	5.28E-03	2.02E-06	1.92E-06	SINTON		
294	122.17	-20.22	.10	1.02	2.21E+01	2.79E-03	2.78E-03	.485	7.26E-03	1.62E-04	1.54E-04	.007	5.28E-03	5.78E-06	5.49E-06	SINTON		
295	122.22	-20.54	.05	1.02	2.07E+03	3.82E-03	3.63E-03	.523	7.30E-03	2.33E-04	2.21E-04							
296	122.30	-20.22	0.00	1.02	3.17E+03	4.22E-03	4.00E-03	.581	7.26E-03	2.67E-04	2.64E-04							
297	122.63	-20.54	0.00	1.02	3.79E+03	5.03E-03	4.78E-03	.669	7.31E-03	3.22E-04	3.05E-04							
298	122.93	-20.54	0.00	1.02	4.37E+03	5.82E-03	5.52E-03	.796	7.31E-03	3.10E-04	3.02E-04							
299	123.41	-20.54	0.00	1.02	4.32E+03	5.75E-03	5.46E-03	.786	7.32E-03	2.90E-04	2.75E-04							
210	124.78	-20.54	0.00	1.02	3.94E+03	5.24E-03	4.98E-03	.715	7.33E-03									
301	31.75	-0.00	0.00															
302	36.16	-0.00	0.00															
303	37.97	-0.00	0.00															
304	57.02	-0.00	0.00															
305	59.44	-0.00	0.00															
306	46.99	-0.00	0.00															
307	49.48	-0.00	0.00															
308	53.21	-0.00	0.00															
309	72.26	-0.00	0.00															
310	74.59	-0.00	0.00															
311	62.23	-0.00	0.00															
312	64.64	-0.00	0.00															
313	68.45	-0.00	0.00															
314	87.59	-0.00	0.00															
315	89.92	-0.00	0.00															
316	77.47	-0.00	0.00															
317	80.77	-0.00	0.00															
318	8.36	-0.00	0.00															
319	10.90	-0.00	0.00	2.03	4.35E+01	5.43E-05	5.16E-05	.010	5.29E-03	3.09E-06	2.94E-06	SINTON						
231	122.05	-0.00	2.03	2.03	4.46E+02	5.56E-04	5.28E-04	.105	5.28E-03	3.17E-05	3.01E-05	SINTON						
232	122.17	-0.00	1.77	2.03	2.03E+01	3.55E-05	3.37E-05	.007	5.28E-03	2.02E-06	1.92E-06	SINTON						
233	122.17	-0.00	1.51	2.03	2.12E+01	1.01E-04	9.63E-05	.019	5.28E-03	5.78E-06	5.49E-06	SINTON						
22	122.17	-0.00	1.22															

22	122.17	-0.00	.99	2.03	4.79E+01	5.93E-05	5.64E-05	.011	5.28E-03	3.30E-06	3.22E-06	SINTOM
236	122.17	-0.30	.75	2.03	1.77E+01	2.21E-05	2.10E-05	.004	5.28E-03	1.22E-06	1.20E-06	SINTOM
237	122.17	-0.00	.48	2.03	3.03E+02	3.79E-04	3.60E-04	.072	5.28E-03	2.16E-05	2.05E-05	SINTOM
238	122.17	-0.00	.27	2.03	2.14E+03	2.67E-03	2.54E-03	.507	5.28E-03	1.52E-04	1.45E-04	SINTOM
239	122.17	.32	.13	2.03	2.02E+03	3.56E-03	3.38E-03	.676	5.27E-03	2.03E-04	1.93E-04	SINTOM
240	122.22	-0.00	.05	2.03	3.20E+03	4.81E-03	3.81E-03	.760	5.27E-03	2.28E-04	2.17E-04	SINTOM
241	122.34	.32	0.00	2.03	4.66E+03	5.81E-03	5.52E-03	1.107	5.25E-03	3.31E-04	3.15E-04	SINTOM

AMES 3.5 FT WIND TUNNEL TEST(1150). C. BLUMER RSI TILE GAPS RUN(36) 1973

PAGE 56

RE/M= 1.05E+06

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
242	122.62	-0.00	0.00	2.03	5.06E+03	6.33E-03	6.02E-03	1.206	5.25E-03	3.61E-04	3.37E-04	SINTOM	
243	122.91	-0.00	0.00	2.03	4.80E+03	6.02E-03	5.72E-03	1.150	5.23E-03	3.43E-04	3.26E-04	SINTOM	
244	123.43	-0.00	0.00	2.03	4.59E+03	5.75E-03	5.46E-03	1.119	5.14E-03	3.28E-04	3.11E-04	SINTOM	
245	124.70	-0.00	0.00	2.03	4.67E+03	5.85E-03	5.56E-03	1.169	5.00E-03	3.34E-04	3.17E-04	SINTOM	
246	125.96	-0.00	0.00	2.03	4.87E+03	5.69E-03	4.80E-03	1.046	4.87E-03	2.91E-04	2.76E-04	SINTOM	
247	127.23	-0.00	0.00	2.03	4.77E+03	5.98E-03	5.68E-03	1.263	4.73E-03	3.61E-04	3.42E-04	SINTOM	
248	129.77	-0.00	0.00	2.03	5.31E+03	6.65E-03	6.31E-03	1.498	4.44E-03	3.79E-04	3.60E-04	SINTOM	
249	132.31	-0.00	0.00	2.03	4.42E+03	5.53E-03	5.25E-03	1.320	4.19E-03	3.15E-04	2.99E-04	SINTOM	
250	134.86	-0.00	0.00	2.03	4.65E+03	5.82E-03	5.53E-03	1.407	3.91E-03	3.32E-04	3.15E-04	SINTOM	
251	122.17	3.11	.26	2.03	1.65E+03	1.81E-03	1.72E-03	.349	5.19E-03	1.03E-04	9.82E-05	SINTOM	
252	122.17	3.11	.51										
253	122.17	3.11	.90										
254	122.17	3.11	1.47	2.03	6.51E+01	8.11E-05	7.71E-05	.816	5.19E-03	4.63E-06	4.40E-06	SINTOM	
255	122.05	3.11	2.03	2.03	6.52E+01	8.13E-05	7.73E-05	.816	5.28E-03	4.66E-06	4.41E-06	SINTOM	
256	122.17	3.11	1.47										
257	122.17	3.11	.38	2.03	8.34E+01	1.04E-04	9.89E-05	.820	5.19E-03	5.93E-06	5.64E-06	SINTOM	
258	122.17	3.11	.51	2.03	4.63E+02	5.75E-04	5.47E-04	.111	5.19E-03	3.28E-05	3.12E-05	SINTOM	
259	122.17	3.11	.26	2.03	1.99E+03	2.48E-03	2.36E-03	.479	5.19E-03	1.40E-04	1.33E-04	SINTOM	
271	122.17	20.53	3.45	4.06	1.40E+02	1.70E-04	1.62E-04	.031	5.54E-03	9.07E-06	9.38E-06	SINTOM	
272	122.17	20.53	3.01	4.06	1.03E+01	2.22E-05	2.11E-05	.004	5.54E-03	1.20E-06	1.22E-06	SINTOM	
273	122.17	20.53	2.51	4.06	5.00E+01	6.08E-05	5.78E-05	.011	5.54E-03	3.51E-06	3.36E-06	SINTOM	
274	122.17	20.53	2.01										
275	122.17	20.53	1.52										
276	122.17	20.53	1.26	4.06	5.09E+01	6.20E-05	5.89E-05	.011	5.54E-03	3.56E-06	3.40E-06	SINTOM	
277	122.17	20.53	1.01	4.06	1.13E+02	1.38E-04	1.31E-04	.025	5.54E-03	7.95E-06	7.59E-06	SINTOM	
278	122.17	20.53	.76	4.06	3.10E+01	3.85E-05	3.66E-05	.007	5.54E-03	2.22E-06	2.11E-06	SINTOM	
279	122.17	20.53	.50	4.06	2.59E+02	3.16E-04	3.00E-04	.057	5.54E-03	1.82E-05	1.73E-05	SINTOM	
280	122.17	20.53	.24	4.06	1.74E+03	2.12E-03	2.01E-03	.383	5.54E-03	1.22E-04	1.16E-04	SINTOM	
281	122.22	20.53	.05	4.06	3.11E+03	3.80E-03	3.61E-03	.688	5.53E-03	2.20E-04	2.09E-04	SINTOM	
282	122.41	20.53	0.00	4.06	4.82E+03	5.91E-03	5.61E-03	1.076	5.49E-03	3.41E-04	3.24E-04	SINTOM	
283	122.94	20.53	0.00	4.06	3.45E+03	4.23E-03	4.02E-03	.798	5.35E-03	2.44E-04	2.32E-04	SINTOM	
284	123.46	20.53	0.00	4.06	4.25E+03	5.22E-03	4.96E-03	.998	5.23E-03	3.01E-04	2.86E-04	SINTOM	
285	124.69	20.53	0.00	4.06	4.80E+03	5.65E-03	5.37E-03	1.140	4.92E-03	3.26E-04	3.10E-04	SINTOM	

AMES 3.5 FT WIND TUNNEL TEST(1581), C. BLUMER RSI TILE GAPS RUN(35) 1973 PAGE 57

TT = 1.1593E+03(K) CONF= 3.50
PT = 6.2442E+05(N/M2) GAP = .254 CM
HT = 1.2300E+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.4577E+06
MACH = 5.18
QS = 1.1326E+05(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.87+ FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
										RE/M=	2.458E+06	
281	122.17	-20.34	.75									
282	122.17	-20.54	.51									
283	122.17	-20.54	.28									
284	122.17	-20.22	.10									
285	122.22	-20.24	.05									
286	122.33	-20.22	0.00									
287	122.63	-20.34	0.00									
288	122.93	-20.54	0.00									
289	123.41	-20.34	0.00									
218	124.78	-20.34	0.00									
										RE/M=	2.322E+06	
381	31.75	-0.00	0.06	0.00	1.01E+04	1.273E-02	1.209E-02	1.020	1.249E-02	4.0234E-04	3.8223E-04	MULTPL
382	34.16	-0.00	0.00	0.00	9.60E+03	1.231E-02	1.169E-02	1.008	1.221E-02	3.8893E-04	3.6943E-04	MULTPL
383	37.97	-0.00	0.00	0.00	9.13E+03	1.144E-02	1.087E-02	.972	1.178E-02	3.6170E-04	3.4358E-04	MULTPL
384	57.02	-0.00	0.00	0.00	6.49E+03	1.066E-02	1.013E-02	1.111	9.608E-03	3.3692E-04	3.2003E-04	MULTPL
385	59.44	-0.00	0.00	0.00	8.71E+03	1.093E-02	1.038E-02	1.172	9.326E-03	3.4534E-04	3.2800E-04	MULTPL
386	46.99	-0.00	0.00	0.00	7.72E+03	9.677E-03	9.192E-03	.901	1.074E-02	3.0584E-04	2.9052E-04	MULTPL
387	49.40	-0.00	0.00	0.00	7.50E+03	9.412E-03	8.940E-03	.899	1.047E-02	2.9745E-04	2.8255E-04	MULTPL
388	53.21	-0.00	0.00	0.00	6.95E+03	8.706E-03	8.270E-03	.868	1.003E-02	2.7514E-04	2.6137E-04	MULTPL
389	72.26	-0.00	0.00	0.00	6.88E+03	8.621E-03	8.189E-03	1.072	8.044E-03	2.7245E-04	2.5881E-04	MULTPL
310	74.68	-0.00	0.00	0.00	7.07E+03	8.857E-03	8.414E-03	1.109	7.987E-03	2.7991E-04	2.6598E-04	MULTPL
311	82.23	-0.00	0.00	0.00	7.16E+03	8.978E-03	8.529E-03	.997	9.002E-03	2.8375E-04	2.6953E-04	MULTPL
312	64.64	-0.00	0.00	0.00	7.07E+03	8.875E-03	8.430E-03	1.018	8.721E-03	2.8048E-04	2.6642E-04	MULTPL
313	68.45	-0.00	0.00	0.00	6.49E+03	8.140E-03	7.733E-03	.983	8.277E-03	2.5727E-04	2.4439E-04	MULTPL
314	87.50	-0.00	0.00	0.00	5.41E+03	6.777E-03	6.437E-03	.852	7.950E-03	2.1417E-04	2.0345E-04	MULTPL
315	89.92	-0.00	0.00	0.00	6.15E+03	7.710E-03	7.324E-03	.965	7.988E-03	2.4367E-04	2.3147E-04	MULTPL
316	77.47	-0.00	0.00	0.00	6.59E+03	8.271E-03	7.856E-03	1.044	7.921E-03	2.6139E-04	2.4829E-04	MULTPL
317	80.77	-0.00	0.00	0.00	6.54E+03	8.203E-03	7.792E-03	1.042	7.872E-03	2.5925E-04	2.4626E-04	MULTPL
318	8.38	-0.00	0.00	0.00	5.95E+03	7.489E-03	7.113E-03	.494	1.517E-02	2.3669E-04	2.2479E-04	MULTPL
319	10.80	-0.00	0.00	0.00	6.16E+03	7.718E-03	7.331E-03	.518	1.489E-02	2.4398E-04	2.3169E-04	MULTPL
231	122.05	-0.30	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75									
237	122.17	-0.00	.48									
238	122.17	-0.00	.27									
239	122.17	.32	.13									
240	122.22	-0.00	.05									
241	122.34	.32	0.00									
242	122.42	-0.00	0.00									
243	122.91	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.76	-0.00	0.00									
246	125.96	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
24	132.31	-0.00	0.00									

RE/M= 2.252E+06

25	134.86	-0.00	0.00									
261	122.17	3.11	.26									
262	122.17	3.11	.51									
263	122.17	3.11	.98									
264	122.17	3.11	1.47									
265	122.05	3.11	2.33									
266	122.17	3.11	1.47									
267	122.17	3.11	.98									
268	122.17	3.11	.51									
269	122.17	3.11	.26									
271	122.17	20.53	3.45									
272	122.17	20.53	3.01									
273	122.17	20.53	2.51									
274	122.17	20.53	2.01									
275	122.17	20.53	1.52									
276	122.17	20.53	1.24									
277	122.17	20.53	1.06									
278	122.17	20.53	.74									
279	122.17	20.53	.59									
280	122.17	20.53	.24									
281	122.22	20.53	.05									
282	122.41	20.53	0.00									
283	122.94	20.53	0.00									
284	123.44	20.53	0.00									
285	124.69	20.53	0.00									
												RE/M= 2.450E+06
201	122.17	-20.54	.75	1.02	6.45E+01	8.492E-05	8.062E-05	.008	1.023E-02	2.6154E-06	2.4038E-06	SINTON
202	122.17	-20.54	.51	1.02	5.01E+02	7.655E-04	7.267E-04	.075	1.023E-02	2.3577E-05	2.2302E-05	SINTON
203	122.17	-20.54	.28	1.02	2.40E+03	3.272E-03	3.106E-03	.320	1.023E-02	1.0079E-04	9.5675E-05	SINTON
204	122.17	-20.72	.10	1.02	2.89E+03	3.815E-03	3.621E-03	.370	1.030E-02	1.1749E-04	1.1153E-04	SINTON
205	122.22	-20.54	.35	1.02	3.37E+03	4.448E-03	4.222E-03	.434	1.024E-02	1.3700E-04	1.3004E-04	SINTON
206	122.30	-20.22	0.00	1.02	3.58E+03	4.726E-03	4.486E-03	.457	1.034E-02	1.4557E-04	1.3817E-04	SINTON
207	122.63	-20.54	0.00	1.02	4.48E+03	5.912E-03	5.612E-03	.572	1.034E-02	1.8209E-04	1.7283E-04	SINTON
208	122.93	-20.54	0.00	1.02	5.64E+03	7.450E-03	7.071E-03	.715	1.041E-02	2.2946E-04	2.1779E-04	SINTON
209	123.41	-20.54	0.00	1.02	5.51E+03	7.285E-03	6.914E-03	.692	1.053E-02	2.2437E-04	2.1296E-04	SINTON
210	124.70	-20.54	0.00	1.02	4.98E+03	6.580E-03	6.246E-03	.607	1.085E-02	2.0267E-04	1.9236E-04	SINTON
												RE/M= 2.322E+06
301	31.75	-0.00	0.00									
302	34.16	-0.00	0.00									
303	37.97	-0.00	0.00									
304	57.02	-0.00	0.00									
305	59.44	-0.00	0.00									
306	46.99	-0.00	0.00									
307	49.40	-0.00	0.00									
308	53.21	-0.00	0.00									
309	72.26	-0.00	0.00									
310	74.68	-0.00	0.00									
311	62.23	-0.00	0.00									
312	64.64	-0.00	0.00									
313	68.45	-0.00	0.00									
314	87.50	-0.00	0.00									
315	89.92	-0.00	0.00									
316	77.47	-0.00	0.00									
317	80.77	-0.00	0.00									
318	8.38	-0.00	0.00									
319	10.80	-0.00	0.00									
231	122.05	-0.00	2.03	2.03	3.83E+02	4.789E-04	4.550E-04	.042	1.137E-02	1.5136E-05	1.4381E-05	SINTON
232	122.17	-0.00	1.77	2.03	5.37E+01	6.706E-05	6.371E-05	.006	1.137E-02	2.1192E-06	2.0134E-06	SINTON
233	122.17	-0.00	1.51	2.03	1.36E+01	1.702E-05	1.617E-05	.001	1.137E-02	5.3797E-07	5.1118E-07	SINTON
23[illegible]	122.17	-0.00	1.22									

AMES 3.5 FT WIND TUNNEL TEST(1568). C. BLUMER RSI TILE GAPS RUN(35) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP0 (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MRLEFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
271	122.17	20.53	3.45	+.06	1.00E+02	1.28E-04	1.22E-04	.010	1.24	4.11906-06	3.9151E-06	SINTDN	
272	122.17	20.53	3.01							7.5633E-06	7.1874E-06	SINTDN	
273	122.17	20.53	2.51	+.06	5.05E+01	6.13E-05	5.83E-05	.005	1.2 ^2	1.8001E-05	1.7105E-05	SINTDN	
274	122.17	20.53	2.01							1.0937E-04	1.0392E-04	SINTDN	
275	122.17	20.53	1.52							1.6731E-04	1.5421E-04	SINTDN	
276	122.17	20.53	1.24							2.1[illegible]E-04	2.1661E-04	SINTDN	
277	122.17	20.53	1.00	+.06	1.06E+02	1.28E-04	1.22E-04	.010	1.24	1.8[illegible]E-04	1.8605E-04	SINTDN	
278	122.17	20.53	.74	+.06	1.94E+02	2.36E-04	2.24E-04	.019	1.24	2.3761E-04	2.3521E-04	SINTDN	
279	122.17	20.53	.50	+.06	4.60E+02	5.61E-04	5.33E-04	.045	1.24	3.4761E-04	2.2672E-04	SINTDN	
280	122.17	20.53	.24	+.06	2.79E+03	3.41E-03	3.24E-03	.275	1.24	1.6731E-04			
281	122.22	20.53	.05	+.06	4.13E+03	5.06E-03	4.81E-03	.407	1.24	2.3[illegible]E-04			
282	122.41	20.53	0.00	+.06	5.08E+03	7.10E-03	6.75E-03	.569	1.25	1.8[illegible]E-04			
283	122.94	20.53	0.00	+.06	4.82E+03	5.91E-03	5.61E-03	.467	1.26	2.3761E-04			
284	123.44	20.53	0.00	+.06	6.20E+03	7.72E-03	7.33E-03	.602	1.28	2.3761E-04			
285	124.69	20.53	0.00	+.06	6.00E+03	7.38E-03	7.01E-03	.559	1.32	2.3658E-04			

PAGE 58

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP0 (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MRLEFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
22	122.17	-0.00	.99	2.03	1.22E+02	1.52E-04	1.45DE-04	.013	1.13E-02	4.8245E-06	4.5835E-06	SINTDN	
236	122.17	-0.00	.75	2.03	1.94E+02	2.42E-04	2.30ZE-04	.021	1.13E-02	7.6501E-06	7.2752E-06	SINTDN	
237	122.[illegible]	-0.00	.48	2.03	7.47E+02	9.35E-04	8.88E-04	.082	1.13E-02	2.9568E-05	2.8088E-05	SINTDN	
238	122.17	-0.00	.27	2.03	3.17E+03	3.98E-03	3.78IE-03	.350	1.13E-02	1.2578E-04	1.1948E-04	SINTDN	
239	122.17	-.32	.13	2.03	4.17E+03	5.22E-03	4.96JE-03	.457	1.14ZE-02	1.6512E-04	1.5685E-04	SINTDN	
240	122.22	-0.00	.05	2.03	4.99E+03	6.26ZE-03	5.94JE-03	.550	1.13JE-02	1.9792E-04	1.0000E-04	SINTDN	
241	122.34	-.32	0.00	2.03	6.04E+03	7.56JE-03	7.19IE-03	.659	1.14ME-02	2.3920E-04	2.2722E-04	SINTDN	
242	122.42	-0.00	0.00	2.03	6.70E+03	8.41GE-03	7.99JE-03	.735	1.145E-02	2.6597E-04	2.5263E-04	SINTDN	

AMES 3.5 FT WIND TUNNEL TEST(1150), G. BLUMER RSI TILE GAPS RUN# 36) 1973 PAGE 59

TI = 1.1475E+03(K) CONF= 3.50
PI = 1.1453E+06(N/M2) GAP = .254 CM
MT = 1.2162E+06(J/KG) STEP = 0.000(CM)
RE/METER= 1.47+1E+06
MACH = 5.10
OS = 1.3124E+05(N/M2)
MAX/MT =0.287 FOR MT
MAX/MT =0.076 FOR ML

RE/M= 3.6746E06 RE/M= 3.3156E06

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
281	122.17	-28.56	.75	0.00	1.07E+04	1.37E-02	1.30E-02	.937	1.47E-02	3.09A7E-04	2.9388E-04	MULTIPL	
282	122.17	-28.56	.51	0.00	1.06E+04	1.34E-02	1.27E-02	.938	1.43E-02	3.0232E-04	2.8708E-04	MULTIPL	
283	122.17	-28.56	.28	0.00	9.64E+03	1.24E-02	1.18E-02	.903	1.37E-02	2.7930E-04	2.6582E-04	MULTIPL	
284	122.17	-28.22	.10	0.00	9.65E+03	1.15E-02	1.11E-02	1.065	1.08E-02	2.6264E-04	2.4934E-04	MULTIPL	
285	122.22	-28.56	.05	0.00	9.67E+03	1.17E-02	1.11E-02	1.099	1.06E-02	2.6278E-04	2.4996E-04	MULTIPL	
286	122.38	-28.22	0.00	0.00	9.15E+03	1.05IE-02	9.98E-03	.847	1.24E-02	2.3625E-04	2.2438E-04	MULTIPL	
287	122.63	-28.56	0.00	0.00	7.93E+03	1.02E-02	9.72E-03	.849	1.20E-02	2.3007E-04	2.1803E-04	MULTIPL	
288	122.93	-28.56	0.00	0.00	7.44E+03	9.50E-03	9.18E-03	.832	1.15E-02	2.1533E-04	2.0447E-04	MULTIPL	
289	123.41	-28.56	0.00	0.00	7.55E+03	9.54E-03	9.06E-03	.998	9.56E-03	2.1448E-04	2.0385E-04	MULTIPL	
290	124.70	-28.56	0.00	0.00	6.95E+03	8.90E-03	8.24E-03	1.038	9.55L-03	2.1072E-04	2.0704E-04	MULTIPL	
311	62.23	-0.00	0.00	0.00	6.95E+03	8.90E-03	8.56E-03	.865	1.03E-02	2.0135E-04	1.9117E-04	MULTIPL	
312	64.04	-0.03	6.30	0.00	7.39E+03	9.15IE-03	8.69E-03	.903	1.01E-02	2.0542E-04	1.9540E-04	MULTIPL	
313	78.45	-0.03	6.00	0.00	6.42E+03	8.27AE-03	7.85AE-03	.864	9.08E-03	1.8591E-04	1.7681E-04	MULTIPL	
314	87.50	-0.03	0.00	0.00	5.28L+03	6.70E-03	6.36AE-03	.863	1.01E-02	1.5071E-04	1.4308E-04	MULTIPL	
315	89.92	-0.03	0.00	0.00	6.10E+03	7.86TE-03	7.46AE-03	.755	1.04E-02	1.7676E-04	1.6782E-04	MULTIPL	
316	77.47	-0.03	0.00	0.00	6.96E+03	8.97AE-03	8.52AE-03	.962	9.33E-03	2.0172E-04	1.9152E-04	MULTIPL	
317	88.77	-0.00	0.00	0.00	6.81E+03	8.78AE-03	8.34ZE-03	.944	9.31IE-03	1.9741E-04	1.8742E-04	MULTIPL	
318	8.33	-0.03	0.00	0.00	6.59E+03	8.52E-03	8.09E-03	.469	1.81AE-02	1.9155E-04	1.8103E-04	MULTIPL	
319	10.04	-0.00	0.00	0.00	6.92E+03	8.92IE-03	8.47BE-03	.500	1.78JE-02	2.0064E-04	1.9038E-04	MULTIPL	
301	31.75	-0.00	±.00	0.00									
302	36.16	-0.00	0.00	0.00									
303	37.97	-0.00	0.00	0.00									
304	57.02	-0.00	0.00	0.00									
305	59.44	-0.00	0.00	0.00									
306	66.99	-0.00	0.00	0.00									
307	69.40	-0.00	0.00	0.00									
308	53.21	-0.00	0.00	0.00									
309	72.26	-0.00	0.00	0.00									
310	74.08	-0.00	0.00	0.00									
311	62.23	-0.00	0.00	0.00									
312	64.04	-0.03	6.00	0.00									
313	78.45	-0.03	6.00	0.00									
314	87.50	-0.03	0.00	0.00									
315	89.92	-0.03	0.00	0.00									
316	77.47	-0.03	0.00	0.00									
317	88.77	-0.00	0.00	0.00									
318	8.33	-0.03	0.00	0.00									
319	10.04	-0.00	0.00	0.00									
231	122.05	-0.00	2.03										
232	122.17	-0.00	1.77										
233	122.17	-0.00	1.51										
234	122.17	-0.03	1.22										
235	122.17	-0.03	.99										
236	122.17	-0.00	.75										
237	122.17	-0.03	.46										
238	122.17	-0.00	.27										
239	122.17	.12	.13										
240	122.22	-0.00	.05										
241	122.34	.12	0.00										
242	122.42	-0.00	0.00										
243	122.91	-0.00	0.00										
244	123.43	-0.03	0.00										
245	124.70	-0.00	0.00										
246	125.96	-0.03	0.00										
247	127.23	-0.00	6.30										
248	129.77	-0.03	+.00										
24	132.31	-0.03	0.00										

25[illegible]	134.86	-0.00	0.00
261	122.17	3.11	.26
262	122.17	3.11	.51
263	122.17	3.11	.98
264	122.17	3.11	1.47
265	122.05	3.11	2.03
266	122.17	3.11	1.47
267	122.17	3.11	.98
268	122.17	3.11	.51
269	122.17	3.11	.26

RE/M= 3.190E+06

271	122.17	20.53	3.45
272	122.17	20.53	3.01
273	122.17	20.53	2.51
274	122.17	20.53	2.01
275	122.17	20.53	1.52
276	122.17	20.53	1.24
277	122.17	20.53	1.00
278	122.17	20.53	.74
279	122.17	20.53	.50
280	122.17	20.53	.24
281	122.22	20.53	.05
282	122.41	20.53	0.00
283	122.94	20.53	0.00
284	123.44	20.53	0.00
285	124.69	20.53	0.00

RE/M= 3.474E+06

201	122.17	-20.54	.75	1.02	1.08E+02	1.450E-04	1.376E-04	.005	2.857E-02	3.1893E-06	3.0267E-06	SINTON
202	122.17	-20.54	.51	1.02	7.67E+02	1.029E-03	9.769E-04	.036	2.857E-02	2.2646E-05	2.1489E-05	SINTON
203	122.17	-20.54	.28	1.02	3.17E+03	4.256E-03	4.039E-03	.149	2.857E-02	9.3631E-05	8.8846E-05	SINTON
204	122.17	-20.22	.10	1.02	3.43E+03	4.614E-03	4.378E-03	.161	2.870E-02	1.0150E-04	9.6308E-05	SINTON
205	122.22	-20.54	.05	1.02	3.69E+03	4.967E-03	4.713E-03	.174	2.862E-02	1.0927E-04	1.0368E-04	SINTON
206	122.38	-20.22	0.00	1.02	3.89E+03	5.233E-03	4.965E-03	.181	2.884E-02	1.1511E-04	1.0922E-04	SINTON
207	122.63	-20.54	0.00	1.02	4.88E+03	6.564E-03	6.228E-03	.226	2.905E-02	1.4439E-04	1.3700E-04	SINTON
208	122.93	-20.54	0.00	1.02	6.95E+03	9.365E-03	8.885E-03	.319	2.935E-02	2.0600E-04	1.9545E-04	SINTON
209	123.41	-20.54	0.00	1.02	6.96E+03	9.386E-03	8.904E-03	.314	2.985E-02	2.0646E-04	1.9588E-04	SINTON
210	124.70	-20.54	0.00	1.02	6.30E+03	8.487E-03	8.052E-03	.272	3.120E-02	1.8670E-04	1.7714E-04	SINTON

RE/M= 3.315E+06

301	31.75	-0.00	0.00									
302	34.16	-0.00	0.00									
303	37.97	-0.00	0.00									
304	57.02	-0.00	0.00									
305	59.44	-0.00	0.00									
306	46.99	-0.00	0.00									
307	49.40	-0.00	0.00									
308	53.21	-0.00	0.00									
309	72.26	-0.00	0.00									
310	74.68	-0.00	0.00									
311	62.23	-0.00	0.00									
312	64.64	-0.00	0.00									
313	68.45	-0.00	0.00									
314	87.50	-0.00	0.00									
315	89.92	-0.00	0.00									
316	77.47	-0.00	0.00									
317	80.77	-0.00	0.00									
318	8.34	-0.00	0.00									
319	10.80	-0.00	0.00									
231	122.05	-0.00	2.03	2.03	4.34E+01	5.571E-05	5.291E-05	.002	3.270E-02	1.2517E-06	1.1807E-06	SINTON
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51	2.03	5.47E+01	7.018E-05	6.664E-05	.002	3.285E-02	1.5767E-06	1.4973E-06	SINTON
22[illegible]	122.17	-0.00	1.22	2.03	1.27E+02	1.634E-04	1.552E-04	.005	3.285E-02	3.6720E-06	3.4869E-06	SINTON

PAGE 68

AMES 3.5 FT WIND TUNNEL TEST(1158)- G. GLUMER RSI TILE GAPS RUN! 361 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STF	GAP-TYPE	
283	122.91	-0.00	.99	2.03	1.74E+02	2.23ZE-04	2.120E-04	.807	3.285E-02	5.815E-06	4.762E-06	SINTOM	
284	123.43	-0.00	.75	2.03	3.17E+02	4.077E-04	3.071E-04	.812	3.285E-02	9.160E-06	8.690E-06	SINTOM	
285	124.78	-0.00	.40	2.03	9.20E+02	1.185E-03	1.125E-03	.836	3.285E-02	2.663E-05	2.280E-05	SINTOM	
286	125.90	-0.00	.27	2.03	3.65E+03	4.710E-03	4.472E-03	.143	3.285E-02	1.056ZE-04	1.006E-04	SINTOM	
287	127.23	-0.00	.12	2.03	4.79E+03	6.118E-03	5.808E-03	.186	3.282E-02	1.375E-04	1.308E-04	SINTOM	
288	129.77	-0.00	.05	2.03	5.77E+03	7.440E-03	7.071E-03	.226	3.291E-02	1.673E-04	1.590E-04	SINTOM	
289	132.31	-0.00	.02	2.03	7.09E+03	9.132E-03	8.678E-03	.276	3.312E-02	2.055E-04	1.953E-04	SINTOM	
290	134.86	-0.00	0.00	2.03	8.01E+03	1.033E-02	9.810E-03	.312	3.314E-02	2.321E-04	2.204E-04	SINTOM	
291	122.17	-0.00	.99	2.03	1.74E+02	2.232E-04	2.120E-04	.807	3.285E-02	5.815E-06	4.762E-06	SINTOM	
292	122.17	-0.00	.75	2.03	3.17E+02	4.077E-04	3.071E-04	.812	3.285E-02	9.160E-06	8.690E-06	SINTOM	
293	122.17	-0.00	.40	2.03	9.20E+02	1.185E-03	1.125E-03	.836	3.285E-02	2.663E-05	2.280E-05	SINTOM	
294	122.17	-0.00	.27	2.03	3.65E+03	4.710E-03	4.472E-03	.143	3.285E-02	1.056ZE-04	1.006E-04	SINTOM	
295	122.17	-0.00	.12	2.03	4.79E+03	6.118E-03	5.808E-03	.186	3.282E-02	1.375E-04	1.308E-04	SINTOM	
296	122.22	-0.00	.05	2.03	5.77E+03	7.440E-03	7.071E-03	.226	3.291E-02	1.673ZE-04	1.590E-04	SINTOM	
297	122.34	-0.00	.02	2.03	7.09E+03	9.132E-03	8.678E-03	.276	3.312E-02	2.055ZE-04	1.953E-04	SINTOM	
298	122.62	-0.00	0.00	2.03	8.01E+03	1.033E-02	9.810E-03	.312	3.314E-02	2.321ZE-04	2.204E-04	SINTOM	
271	122.17	20.53	3.05										
272	122.17	20.53	3.01										
273	122.17	20.53	2.51										
274	122.17	20.53	2.01										
275	122.17	20.53	1.52										
276	122.17	20.53	1.24	4.06	9.37E+00	1.167E-05	1.109E-05	.000	3.377E-02	2.662E-07	2.532E-07	SINTOM	
277	122.17	20.53	1.00	4.06	9.78E+00	1.219E-05	1.158E-05	.000	3.377E-02	2.783SE-07	2.644ZE-07	SINTOM	
278	122.17	20.53	.74	4.06	1.08E+02	1.347E-04	1.280E-04	.004	3.377E-02	3.076ZE-06	2.922ZE-06	SINTOM	
279	122.17	20.53	.50	4.06	4.05E+02	6.057E-04	5.753E-04	.010	3.377E-02	1.383SE-05	1.314ZE-05	SINTOM	
280	122.17	20.53	.24	4.06	2.09E+03	3.024E-03	3.442E-03	.107	3.377E-02	8.277SE-05	7.861ZE-05	SINTOM	
281	122.22	20.53	.05	4.06	4.09E+03	5.126E-03	4.868E-03	.152	3.388E-02	1.173SE-04	1.115ZE-04	SINTOM	
282	122.41	20.53	0.00	4.06	6.08E+03	7.635E-03	7.250E-03	.225	3.393E-02	1.743SE-04	1.655SE-04	SINTOM	
283	122.94	20.53	0.00	4.06	8.18E+03	1.019E-02	9.673E-03	.297	3.438E-02	2.326SE-04	2.209ZE-04	SINTOM	
284	123.44	20.53	0.00	4.06	8.25E+03	7.078E-03	7.472E-03	.227	3.464E-02	1.797SE-04	1.706ZE-04	SINTOM	
285	124.69	20.53	0.00	4.06	6.77E+03	8.538E-03	8.184E-03	.260	3.558E-02	1.949SE-04	1.850ZE-04	SINTOM	

QL/M= 3.190E+06

AMES 3.5 FT WIND TUNNEL TEST(1150), G. BLUMER RSI TILE GAPS RUN# 371 1973 PAGE 51

TT = 1.143bE+03(K) CONF= 3.50
PT = 1.4427E+06(N/M2) GAP = .254 CM
HT = 1.2116E+06(J/KG) STEP = 0.000(CM)
RE/METER= 4.4013E+06
MACH = 5.10
GS = 1.4593E+05(W/M2)
MAX/HT =0.907 FOR HT
MAX/HT =0.976 FOR ML

P/C	S (CM)	ZZ (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	SI.	SII	GAP-TYPE	
													RE/M= 4.482E+06
201	122.17	-20.32	.25	0.00	9.32E+03	1.202E-02	1.236E-02	.826	1.572E-02	2.312SE-04	2.196SE-04	MULTPL	
202	122.17	-20.64	.51	0.00	9.65E+03	1.26.E-02	1.200E-02	.822	1.538E-02	2.245ZE-04	2.130ME-04	MULTPL	
203	122.17	-20.96	.28	0.00	9.29E+03	1.215E-02	1.153E-02	.819	1.483E-02	2.157ME-04	2.047SE-04	MULTPL	
204	122.17	-20.32	.10	0.00	6.75E+03	1.146E-02	1.098E-02	.953	1.203E-02	2.035SE-04	1.932BE-04	MULTPL	
205	122.22	-26.56	.05	0.00	8.96E+03	1.172E-02	1.112E-02	1.005	1.166E-02	2.081IE-04	1.975BE-04	MULTPL	
206	122.38	-20.22	0.00	0.00	8.03E+03	1.058E-02	1.004E-02	.781	1.355E-02	1.878TE-04	1.783BE-04	MULTPL	
207	122.63	-20.54	0.00	0.00	8.03E+03	1.052E-02	9.979E-03	.796	1.321E-02	1.867BE-04	1.772IE-04	MULTPL	
208	122.93	-20.54	0.00	0.00	7.53E+03	9.91BE-03	9.411E-03	.785	1.262E-02	1.760BE-04	1.671IE-04	MULTPL	
209	123.41	-20.54	0.00	0.00	7.53E+03	9.39AE-03	9.475E-03	.926	1.078E-02	1.773BE-04	1.682GE-04	MULTPL	
210	124.78	-20.54	0.00	0.00	7.93E+03	1.036E-02	9.835E-03	.951	1.090E-02	1.840GE-04	1.746GE-04	MULTPL	
211	62.23	-0.00	0.00	0.00	7.48E+03	9.781E-03	9.283E-03	.866	1.137E-02	1.736YE-04	1.648GE-04	MULTPL	
212	90.64	-0.00	0.00	0.00	7.79E+03	1.021E-02	9.686E-03	.915	1.115E-02	1.812SE-04	1.721BE-04	MULTPL	
213	89.45	-0.00	0.00	0.00	7.43E+03	9.607E-03	9.114E-03	.896	1.001E-02	1.720ZE-04	1.632GE-04	MULTPL	
214	87.53	-0.00	0.00	0.00	6.27E+03	8.203E-03	7.785E-03	.611	1.342E-02	1.456GE-04	1.382WE-04	MULTPL	
215	99.32	-0.00	0.00	0.00	7.48E+03	9.771E-03	9.274E-03	.691	1.415E-02	1.735ZE-04	1.646BE-04	MULTPL	
216	77.47	-0.00	0.00	0.00	6.06E+03	1.853E-02	9.395E-03	.956	1.184E-02	1.870IE-04	1.776BE-04	MULTPL	
217	80.77	-0.00	0.00	0.00	6.64E+03	1.130E-02	1.073E-02	.992	1.148E-02	2.007SE-04	1.965ZE-04	MULTPL	
218	0.38	-6.35	3.60	0.00	9.42E+03	1.238E-02	1.172E-02	.649	1.985E-02	2.191IE-04	2.082BE-04	MULTPL	
219	10.90	-0.00	0.00	0.00	1.17E+04	1.531E-02	1.453E-02	.819	1.870E-02	2.710BE-04	2.580BE-04	MULTPL	
231	122.05	-0.00	2.03										
232	122.17	-0.00	1.77										
233	122.17	-0.00	1.51										
234	122.17	-0.00	1.22										
235	122.17	-0.00	.99										
236	122.17	-0.00	.75										
237	122.17	-0.00	.46										
238	122.17	-0.00	.27										
239	122.17	-0.00	.13										
240	122.22	-0.00	.05										
241	122.36	-.37	0.00										
242	122.62	-5.00	0.00										
243	122.91	-0.00	0.00										
244	123.43	-0.00	0.00										
245	124.70	-0.00	0.00										
246	125.96	-0.00	0.00										
247	127.23	-0.00	0.00										
248	129.77	-0.00	0.00										
249	132.31	-0.00	0.00										
25	134.86	-0.00	0.00										
261	122.17	1.11	.26										

262	122.17	3.11	.51
263	122.17	3.11	.98
264	122.17	3.11	1.47
265	122.05	3.11	2.03
266	122.17	3.11	1.47
267	122.17	3.11	.98
268	122.17	3.11	.51
269	122.17	3.11	.26

RE/M= 6.053E+06

271	122.17	20.53	3.45
272	122.17	20.53	3.01
273	122.17	20.53	2.51
274	122.17	20.53	2.01
275	122.17	20.53	1.52
276	122.17	20.53	1.26
277	122.17	20.53	1.00
278	122.17	20.53	.74
279	122.17	20.53	.50
280	122.17	20.53	.26
281	122.22	20.53	.05
282	122.41	20.53	0.00
283	122.94	20.53	0.00
284	123.44	20.53	0.00
285	124.69	20.53	0.00

RE/M= 6.402E+06

201	122.17	-20.54	.75	1.02	2.80E+02	2.718E-04	2.571E-04	.006	4.430E-02	4.7207E-06	4.4787E-06	SINTON
202	122.17	-20.54	.51	1.02	1.28E+03	1.633E-03	1.550E-03	.037	4.430E-02	2.0451E-05	2.6909E-05	SINTON
203	122.17	-20.54	.28	1.02	5.84E+03	7.939E-03	7.530E-03	.179	4.430E-02	1.3027E-04	1.3116E-04	SINTON
204	122.17	-20.22	.10	1.02	7.49E+03	1.010E-02	9.654E-03	.229	4.437E-02	1.7720E-04	1.0015E-04	SINTON
205	122.22	-20.54	.05	1.02	9.62E+03	1.300E-02	1.241E-02	.295	4.434E-02	2.2704E-04	2.1011E-04	SINTON
206	122.30	-20.22	0.00	1.02	1.10E+04	1.500E-02	1.423E-02	.337	4.440E-02	2.6133E-04	2.4706E-04	SINTON
207	122.63	-20.54	0.00	1.02	1.32E+04	1.797E-02	1.704E-02	.402	4.460E-02	3.1299E-04	2.9605E-04	SINTON
208	122.93	-20.54	0.00	1.02	1.62E+04	2.204E-02	2.091E-02	.491	4.492E-02	3.8394E-04	3.0412E-04	SINTON
209	123.41	-20.54	0.00	1.02	1.62E+04	2.209E-02	2.095E-02	.487	4.533E-02	3.8473E-04	3.6400E-04	SINTON
210	124.70	-20.54	0.00	1.02	1.57E+04	2.143E-02	2.032E-02	.462	4.640E-02	3.7320E-04	3.5304E-04	SINTON

RE/M= 6.217E+06

301	31.75	-0.00	0.00									
302	24.16	-0.00	0.00									
303	37.97	-0.00	0.00									
304	57.02	-0.00	0.00									
305	59.44	-0.00	0.00									
306	46.99	-0.00	0.00									
307	49.40	-0.00	0.00									
308	53.21	-0.00	0.00									
309	72.26	-0.00	0.00									
310	74.60	-0.00	0.00									
311	62.23	-0.00	0.00									
312	64.64	-0.00	0.00									
313	50.45	-0.00	0.00									
314	87.50	-0.00	0.00									
315	89.92	-0.00	0.00									
316	77.47	-0.00	0.00									
317	80.77	-0.00	0.00									
318	0.38	-0.00	0.00									
319	16.00	-0.00	0.00									
231	122.05	-0.00	2.03	2.03	4.28E+01	5.557E-05	5.276E-05	.001	4.464E-02	9.8603E-07	9.3691E-07	SINTON
232	122.17	-0.00	1.77	2.03	3.44E+02	4.462E-04	4.237E-04	.010	4.479E-02	7.9243E-06	7.5230E-06	SINTON
233	122.17	-0.00	1.51	2.03	3.23E+02	4.200E-04	3.987E-04	.009	4.478E-02	7.4500E-06	7.0802E-06	SINTON
2[illegible]	122.17	-0.00	1.22	2.03	7.33E+02	9.554E-04	9.069E-04	.021	4.479E-02	1.6960E-05	1.6104E-05	SINTON
2[illegible]	122.17	-0.00	.99	2.03	6.35E+02	8.276E-04	7.856E-04	.018	4.479E-02	1.4697E-05	1.3950E-05	SINTON
236	122.17	-0.00	.75	2.03	8.32E+02	1.087E-03	1.031E-03	.024	4.479E-02	1.9296E-05	1.8314E-05	SINTON
237	122.17	-0.00	.48	2.03	1.88E+03	2.455E-03	2.330E-03	.055	4.479E-02	4.3593E-05	4.1372E-05	SINTON
238	122.17	-0.00	.27	2.03	8.29E+03	1.086E-02	1.030E-02	.242	4.479E-02	1.9270E-04	1.8295E-04	SINTON
239	122.17	.32	.13	2.03	1.24E+04	1.616E-02	1.534E-02	.361	4.481E-02	2.8695E-04	2.7232E-04	SINTON
240	122.22	-0.00	.05	2.03	1.55E+04	2.037E-02	1.933E-02	.454	4.484E-02	3.6174E-04	3.4326E-04	SINTON
241	122.34	.32	0.00	2.03	1.84E+04	2.405E-02	2.283E-02	.534	4.500E-02	4.2789E-04	4.0933E-04	SINTON

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AMES 3.5 FT WIND TUNNEL TEST(150). G. BLUMER RSI TILE GAPS RUN(37) 1973 PAGE 62

T/C	X (CM)	Y (CM)	ZZ (CM)	GAPU (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
262	122.42	-0.00	0.00	2.03	2.63E+04	2.66E-02	2.52E-02	.591	4.50E-02	4.7270E-04	4.4057E-04	SINTON
263	122.91	-0.00	0.00	2.03	1.79E+04	2.34E-02	2.22E-02	.514	4.56E-02	4.1654E-04	3.9525E-04	SINTON
264	123.43	-0.00	0.00	2.03	1.75E+04	2.29E-02	2.17E-02	.496	4.62E-02	4.0704E-04	3.8624E-04	SINTON
265	124.70	-0.00	0.00	2.03	1.94E+04	2.54E-02	2.41E-02	.535	4.76E-02	4.5244E-04	4.2935E-04	SINTON
266	125.96	-0.00	0.00	2.03	1.79E+04	2.34E-02	2.22E-02	.478	4.90E-02	4.1621E-04	3.9490E-04	SINTON
267	127.23	-0.00	0.00	2.03	2.45E+04	3.21OE-02	3.04E-02	.636	5.04OE-02	5.7008E-04	5.4108E-04	SINTON
268	128.77	-0.00	0.00	2.03	2.70E+04	3.53OE-02	3.35OE-02	.628	5.62OE-02	6.2684E-04	5.9409E-04	SINTON
269	132.31	-0.00	0.00	2.03	3.13E+04	4.09 2E-02	3.88 E-02	.693	5.907E-02	7.2665E-04	6.8965E-04	SINTON
258	134.86	-0.00	0.00	2.03	4.34E+03	5.676E-03	5.389E-03	.120	4.500E-02	1.0083E-04	9.5687E-05	SINTUP
261	122.17	3.11	.26	2.03						4.5129E-06	4.2843E-06	SINTUP
262	122.17	3.11	.21							4.1746E-06	3.8622E-06	SINTUP
263	122.17	3.11	.26	2.03	1.90E+02	2.541E-04	2.413E-04	.006	4.500E-02	3.8767E-06	3.6807E-06	SINTON
264	122.17	3.11	1.47	2.03	2.86E+02	3.477E-04	3.301E-04	.008	4.500E-02	5.5413E-05	5.2600E-05	SINTON
265	122.05	3.11	2.03	2.03	1.08E+02	2.163E-04	2.073E-04	.005	4.486E-02	1.1502E-05	1.0919E-05	SINTON
266	122.17	3.11	1.47	2.03	2.40E+03	3.120E-03	2.963E-03	.069	4.530E-02	1.4592E-05	1.3853E-05	SINTON
267	122.17	3.11	.30	2.03	4.98E+02	6.477E-04	6.149E-04	.014	4.500E-02	2.7774E-05	2.6362E-05	SINTON
268	122.17	3.11	.51	2.03	1.23E+03	1.566E-03	1.486E-03	.035	4.500E-02	1.4665E-04	1.3919E-04	SINTON
269	122.17	3.11	.26	2.03	6.32E+03	8.259E-03	7.838E-03	.184	4.500E-02			RE/M= 4.85AE+06
271	122.17	20.53	3.45	4.06	1.63E+02	2.046E-04	1.943E-04	.005	4.207E-02	3.6992E-06	3.5134E-06	SINTON
272	122.17	20.53	3.01									
273	122.17	20.53	2.51	4.06	7.21E+01	9.058E-05	8.603E-05	.002	4.207E-02	1.6377E-06	1.5554E-06	SINTON
274	122.17	20.53	2.01									
275	122.17	20.53	1.52									
276	122.17	20.53	1.24							2.3067E-06	2.1905E-06	SINTON
277	122.17	20.53	1.00	4.06	1.01E+02	1.275E-04	1.210E-04	.003	4.207E-02	4.5764E-06	4.3453E-06	SINTON
278	122.17	20.53	.74	4.06	2.08E+02	2.531E-04	2.403E-04	.006	4.207E-02	2.3876E-05	2.2668E-05	SINTON
279	122.17	20.53	.50	4.06	1.09E+03	1.321E-03	1.254E-03	.031	4.207E-02	1.6120E-04	1.5308E-04	SINTON
280	122.17	20.53	.24	4.06	7.03E+03	8.919E-03	8.466E-03	.208	4.207E-02	2.4350E-04	2.3112E-04	SINTON
281	122.22	20.53	.05	4.06	1.08E+04	1.347E-02	1.278E-02	.314	4.298E-02	3.6554E-04	3.4693E-04	SINTON
282	122.41	20.53	0.00	4.06	1.59E+04	2.022E-02	1.919E-02	.470	4.302E-02	5.4139E-04	5.1390E-04	SINTON
283	122.94	20.53	0.00	4.06	1.79E+04	2.230E-02	2.117E-02	.520	4.330E-02	3.8737E-04	3.6759E-04	SINTON
284	123.44	20.53	0.00	4.06	1.68E+04	2.142E-02	2.033E-02	.490	4.371E-02	4.0764E-04	3.8677E-04	SINTON
285	124.69	20.53	0.00	4.06	1.76E+04	2.255E-02	2.139E-02	.506	4.455E-02			

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AMES 3.5 FT WIND TUNNEL TEST1150). C. BLUNT RSI TILE GAPS RUN1 30D 1973

TT	= 1.127J6+03(K)		CONF= 1.00										
PT	= 4.5614E+05(N/M2)		GAP = 0.000 CM										
HT	= 1.192BE+06(J/KG)		STEP = 0.000(CM)										
RE/METER= 1.4598E+06													
MACH	= 3.10												
QS	= 9.23°3E+04(N/M2)												
MAW/MT	=0.967 FOR MT												
MAW/ML	=0.974 FOR ML												
T/C	X (CM)	YY (CM)	ZZ GAPU (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MR.EFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE		
												RE/M=	1.4598E+06
1	35.57	-20.54	0.00 0.00	8.72E+03	1.18E-02	1.12E-02	1.015	1.16E-02	6.3510E-04	6.0208E-04	PLATE		
2	48.65	-20.54	0.00 0.00	7.98E+03	1.08E-02	1.03E-02	.975	1.11E-02	5.8110E-04	5.5161E-04	PLATE		
3	65.72	-20.54	0.00 0.00	7.63E+03	1.04E-02	9.93E-03	.998	1.05E-02	5.6868E-04	5.3197E-04	PLATE		
4	89.54	-20.54	0.00 0.00	7.33E+03	9.92E-03	9.42E-03	.978	1.01E-02	5.3174E-04	5.0176E-04	PLATE		
5	53.34	-20.54	0.00 0.00	7.13E+03	9.69E-03	9.20E-03	.986	9.03E-03	5.1908E-04	4.9275E-04	PLATE		
6	57.15	-20.54	0.00 0.00	5.40E+03	7.36E-03	6.99E-03	.773	9.52E-03	3.9433E-04	3.7459E-04	PLATE		
7	60.97	-20.54	0.00 0.00	6.77E+03	9.26E-03	8.73E-03	.990	9.24E-03	4.8232E-04	4.5785E-04	PLATE		
8	64.78	-20.54	0.00 0.00	6.63E+03	9.08E-03	8.54E-03	.999	9.01E-03	4.6355E-04	4.4004E-04	PLATE		
9	68.56	-20.54	0.00 0.00	6.37E+03	8.65E-03	8.21E-03	.985	8.70E-03	4.5629E-04	4.3315E-04	PLATE		
10	72.42	-20.54	0.00 0.00	6.27E+03	8.52E-03	8.08E-03	.990	8.32E-03	4.3777E-04	4.1558E-04	PLATE		
11	76.24	-20.54	0.00 0.00	6.62E+03	8.17E-03	7.76E-03	.982	8.32E-03	4.2322E-04	4.0177E-04	PLATE		
12	80.05	-20.54	0.00 0.00	5.82E+03	7.98E-03	7.58E-03	.976	8.09E-03	4.2856E-04	3.9826E-04	PLATE		
13	83.86	-20.54	0.00 0.00	5.76E+03	7.85JE-03	7.45E-03	.998	7.86BE-03	4.0266E-04	3.8167E-04	PLATE		
14	87.67	-20.54	0.00 0.00	5.52E+03	7.50?E-03	7.12?E-03	.991	7.44BE-03	3.9505E-04	3.7501E-04	PLATE		
15	91.49	-20.54	0.00 0.00	5.43E+03	7.37bE-03	7.30?E-03	.989	7.29NE-03	3.8052E-04	3.6693E-04	PLATE		
16	95.29	-20.54	0.00 0.00	5.31E+03	7.21?E-03	6.85?E-03	.989	7.21BE-03	3.8327E-04	3.6304E-04	PLATE		
17	99.11	-20.54	0.00 0.00	5.27E+03	7.15GE-03	6.79JE-03	.991	7.21BE-03	3.8059E-04	3.6809E-04	PLATE		
18	102.91	-20.54	0.00 0.00	5.34E+03	7.25GE-03	6.88BE-03	1.08o	6.67BE-03	3.8324E-04	3.6377E-04	PLATE		
19	106.72	-20.54	0.00 0.00	5.26E+03	7.13SE-03	6.79?E-03	1.077	6.64NE-03	3.7877E-04	3.5957E-04	PLATE		
20	110.53	-20.54	0.00 0.00	5.20E+03	7.07?E-03	6.71NE-03	.969	7.30BE-03	3.9869E-04	3.7808E-04	PLATE		
21	114.35	-20.54	0.00 0.00	5.37E+03	7.29SE-03	6.92?L-03	.999	7.30BE-03	3.9142E-04	3.7156E-04	PLATE		
22	118.18	-20.54	0.00 0.00	5.30E+03	7.38G-03	6.93BE-03	1.001	7.30BE-03	3.9900E-04	3.7877E-04	PLATE		
23	121.96	-20.54	0.00 0.00	5.40E+03	7.45SE-03	7.07?E-03	1.015	7.33?E-03	3.9658E-04	3.7646E-04	PLATE		
24	125.78	-20.54	0.00 0.00	5.45E+03	7.40?E-03	7.02?E-03	.999	7.41SE-03	4.0851E-04	3.8114E-04	PLATE		
25	129.59	-20.54	0.00 0.00	5.51E+03	7.49?E-03	7.11?E-03	1.001	7.49?E-03				RE/M=	1.4598E+06
26	35.52	-0.30	0.00 0.00	8.51E+03	1.15BE-02	1.09?L-02	1.053	1.09?E-02	6.2817E-04	5.8078E-04	PLATE		
27	48.59	-0.33	0.00 0.00	7.84E+03	1.06?E-02	1.01?E-02	1.022	1.04NE-02	5.7128E-04	5.4227E-04	PLATE		
28	65.60	-0.86	0.00 0.00	7.41E+03	1.00?E-02	9.56?E-03	1.020	9.87GE-03	5.3964E-04	5.1224E-04	PLATE		
29	89.49	-0.00	0.00 0.00	7.02E+03	9.54?E-03	9.06?E-03	1.010	9.45GE-03	5.1143E-04	4.8547E-04	PLATE		
30	53.33	-0.00	0.00 0.00	6.75E+03	9.18?E-03	8.71GE-03	1.005	9.13NE-03	4.9167E-04	4.6671E-04	PLATE		
31	57.12	-0.00	0.00 0.00	6.45E+03	8.77?E-03	8.33?E-03	.994	8.83?E-03	4.7865E-04	4.5428E-04	PLATE		
32	60.96	-0.00	0.00 0.00	6.22E+03	8.46?E-03	7.82?E-03	.997	8.40BE-03	4.5321E-04	4.3021E-04	PLATE		
33	64.71	-0.00	0.00 0.00	6.06E+03	8.24?E-03	7.52GE-03	1.026	8.03?E-03	4.4166E-04	4.1906E-04	PLATE		
34	68.49	-0.00	0.00 0.00	5.83E+03	7.93?E-03	7.34GE-03	1.052	7.35?E-03	4.2468E-04	4.0306E-04	PLATE		
35	72.39	-0.00	0.00 0.00	5.69E+03	7.73?E-03	7.13BE-03	1.032	7.27SE-03	4.1411E-04	3.9310E-04	PLATE		
36	76.23	-0.00	0.00 0.00	5.52E+03	7.51?E-03	6.97?E-03	1.021	7.19?E-03	4.0229E-04	3.8108E-04	PLATE		
37	80.03	-0.00	0.00 0.00	5.41E+03	7.35GE-03	6.97?E-03	1.019	7.08GE-03	3.9363E-04	3.7366E-04	PLATE		
38	83.81	-0.00	0.00 0.00	5.31E+03	7.22?E-03	6.65?E-03	1.000	6.97GE-03	3.8608E-04	3.6725E-04	PLATE		
39	87.66	-0.00	0.00 0.00	5.13E+03	6.98?E-03	6.45GE-03	1.000	6.81?E-03	3.7328E-04	3.5426E-04	PLATE		
40	91.47	-0.00	0.00 0.00	5.00E+03	6.80E-03	6.45GE-03	.998	6.81?E-03	3.6622E-04	3.4578E-04	PLATE		

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(38) 1973 PAGE 64

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
41	95.27	-0.00	0.00	0.00	4.93E+03	6.687E-03	6.349E-03	1.013	6.600E-03	3.5812E-04	3.4001E-04	PLATE
42	99.08	-0.00	0.00	0.00	4.84E+03	6.563E-03	6.231E-03	.994	6.600E-03	3.5148E-04	3.3371E-04	PLATE
43	102.92	-0.00	0.00	0.00	4.77E+03	6.461E-03	6.135E-03	1.006	6.425E-03	3.4605E-04	3.2856E-04	PLATE
44	106.75	-0.00	0.00	0.00	4.72E+03	6.398E-03	6.075E-03	1.027	6.230E-03	3.4267E-04	3.2535E-04	PLATE
45	110.53	-0.00	0.00	0.00	4.62E+03	6.263E-03	5.946E-03	1.027	6.100E-03	3.3541E-04	3.1846E-04	PLATE
46	114.35	-0.00	0.00	0.00	4.54E+03	6.147E-03	5.837E-03	1.008	6.100E-03	3.2924E-04	3.1260E-04	PLATE
47	118.17	-0.00	0.00	0.00	1.52E+03	2.070E-03	1.965E-03	.343	6.037E-03	1.1088E-04	1.0524E-04	PLATE
48	121.96	-0.00	0.00	0.00	4.56E+03	6.100E-03	5.792E-03	1.034	5.902E-03	3.2671E-04	3.1019E-04	PLATE
49	125.78	-0.00	0.00	0.00	4.47E+03	6.050E-03	5.744E-03	1.059	5.711E-03	3.2408E-04	3.0762E-04	PLATE
50	127.04	-0.00	0.00	0.00	4.44E+03	6.009E-03	5.705E-03	1.064	5.648E-03	3.2182E-04	3.0555E-04	PLATE

RE/M= 1.485E+06

51	35.52	20.54	0.00	0.00	8.75E+03	1.153E-02	1.095E-02	.921	1.252E-02	6.2659E-04	5.9511E-04	PLATE
52	40.01	20.54	0.00	0.00	8.26E+03	1.089E-02	1.034E-02	.931	1.170E-02	5.9181E-04	5.6206E-04	PLATE
53	45.74	20.54	0.00	0.00	7.78E+03	1.027E-02	9.751E-03	.944	1.088E-02	5.5786E-04	5.2981E-04	PLATE
54	49.53	20.54	0.00	0.00	7.77E+03	1.025E-02	9.735E-03	.998	1.028E-02	5.5693E-04	5.2893E-04	PLATE
55	53.37	20.54	0.00	0.00	7.38E+03	9.731E-03	9.242E-03	.988	9.931E-03	5.2672E-04	5.0214E-04	PLATE
56	57.15	20.54	0.00	0.00	7.36E+03	9.708E-03	9.220E-03	1.008	9.628E-03	5.2743E-04	5.0692E-04	PLATE
57	60.97	20.54	0.00	0.00	6.94E+03	9.159E-03	8.698E-03	.982	9.323E-03	4.9763E-04	4.7261E-04	PLATE
58	64.78	20.54	0.00	0.00	6.84E+03	8.713E-03	8.275E-03	.966	9.018E-03	4.7341E-04	4.4961E-04	PLATE
59	69.00	20.54	0.00	0.00	6.75E+03	8.902E-03	8.454E-03	1.022	8.712E-03	4.8366E-04	4.5935E-04	PLATE
60	72.41	20.54	0.00	0.00	6.39E+03	8.426E-03	8.002E-03	.991	8.504E-03	4.5779E-04	4.3476E-04	PLATE
61	76.21	20.54	0.00	0.00	6.34E+03	8.365E-03	7.945E-03	1.002	8.352E-03	4.5456E-04	4.3165E-04	PLATE
62	80.02	20.54	0.00	0.00	6.13E+03	8.086E-03	7.679E-03	.980	8.199E-03	4.3933E-04	4.1724E-04	PLATE
63	83.85	20.54	0.00	0.00	6.11E+03	8.055E-03	7.650E-03	.996	8.085E-03	4.3765E-04	4.1564E-04	PLATE
64	87.66	20.54	0.00	0.00	6.26E+03	8.267E-03	7.851E-03	1.037	7.970E-03	4.4915E-04	4.2655E-04	PLATE
65	91.48	20.54	0.00	0.00	5.58E+03	7.361E-03	6.990E-03	.939	7.841E-03	3.9992E-04	3.7988E-04	PLATE
66	95.25	20.54	0.00	0.00	5.35E+03	7.071E-03	6.715E-03	.920	7.698E-03	3.8418E-04	3.6484E-04	PLATE
67	99.10	20.54	0.00	0.00	5.20E+03	6.877E-03	6.531E-03	.913	7.536E-03	3.7366E-04	3.5484E-04	PLATE
68	102.91	20.54	0.00	0.00	5.13E+03	6.791E-03	6.449E-03	.927	7.325E-03	3.6898E-04	3.5037E-04	PLATE
69	106.72	20.54	0.00	0.00	4.96E+03	6.578E-03	6.246E-03	.914	7.200E-03	3.5738E-04	3.3933E-04	PLATE
70	110.51	20.54	0.00	0.00	4.90E+03	6.502E-03	6.174E-03	.907	7.169E-03	3.5327E-04	3.3542E-04	PLATE
71	114.34	20.54	0.00	0.00	5.21E+03	6.927E-03	6.576E-03	.998	6.939E-03	3.7634E-04	3.5729E-04	PLATE
72	118.13	20.54	0.00	0.00	5.42E+03	7.210E-03	6.845E-03	1.074	6.712E-03	3.9174E-04	3.7188E-04	PLATE
73	121.95	20.54	0.00	0.00	5.06E+03	6.738E-03	6.396E-03	1.071	6.289E-03	3.6609E-04	3.4752E-04	PLATE
74	125.76	20.54	0.00	0.00	4.69E+03	6.133E-03	5.821E-03	1.088	5.679E-03	3.3328E-04	3.1627E-04	PLATE
75	129.57	20.54	0.00	0.00	3.98E+03	5.316E-03	5.045E-03	1.049	5.069E-03	2.8802E-04	2.7413E-04	PLATE

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(39) 1973 PAGE 65

TT = 1.1924E+03(K) CONF= 1.00
PT = 9.1783E+05(N/M2) GAP = 0.000 CM
HT = 1.2688E+07(J/KG) STEP = 0.000(CM)
RE/METER= 2.3221E+06
MACH = 5.18
QS = 1.1789E+05(N/M2)
MAW/HT =0.307 FOR HT
MAW/HT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
											RE/M= 2.322E+06	
1	35.57	-20.54	0.00	0.00	1.00E+06	1.320E-02	1.261E-02	.996	1.333E-02	4.2161E-04	4.0859E-04	PLATE
2	40.65	-20.54	0.00	0.00	9.63E+05	1.218E-02	1.150E-02	.987	1.226E-02	3.8639E-04	3.6521E-04	PLATE
3	45.72	-20.54	0.00	0.00	9.14E+05	1.140E-02	1.091E-02	1.025	1.120E-02	3.6462E-04	3.4663E-04	PLATE
4	49.54	-20.54	0.00	0.00	8.69E+03	1.092E-02	1.037E-02	1.050	1.046E-02	3.4665E-04	3.2936E-04	PLATE
5	53.34	-20.54	0.00	0.00	8.40E+03	1.054E-02	1.002E-02	1.037	1.017E-02	3.3486E-04	3.1816E-04	PLATE
6	57.19	-20.54	0.00	0.00	8.06E+03	1.011E-02	9.611E-03	1.018	1.001E-02	3.2123E-04	3.0521E-04	PLATE
7	60.97	-20.54	0.00	0.00	8.04E+03	1.010E-02	9.594E-03	1.029	9.813E-03	3.2067E-04	3.0468E-04	PLATE
8	64.78	-20.54	0.00	0.00	7.80E+03	9.787E-03	9.299E-03	1.034	9.478E-03	3.1083E-04	2.9533E-04	PLATE
9	68.56	-20.54	0.00	0.00	7.45E+03	9.344E-03	8.878E-03	1.024	9.129E-03	2.9674E-04	2.8195E-04	PLATE
10	72.42	-20.54	0.00	0.00	7.26E+03	9.105E-03	8.651E-03	1.020	8.928E-03	2.8916E-04	2.7476E-04	PLATE
11	76.24	-20.54	0.00	0.00	6.97E+03	8.625E-03	8.195E-03	.979	8.813E-03	2.7390E-04	2.6025E-04	PLATE
12	80.05	-20.54	0.00	0.00	6.92E+03	8.856E-03	7.655E-03	.926	8.697E-03	2.8135E-04	2.4310E-04	PLATE
13	83.86	-20.54	0.00	0.00	6.94E+03	8.708E-03	8.274E-03	1.024	8.507E-03	2.7655E-04	2.6277E-04	PLATE
14	87.67	-20.54	0.00	0.00	6.74E+03	8.486E-03	7.987E-03	1.011	8.317E-03	2.6695E-04	2.5365E-04	PLATE
15	91.44	-20.54	0.00	0.00	6.43E+03	8.869E-03	7.667E-03	.999	8.881E-03	2.5625E-04	2.4348E-04	PLATE
16	95.29	-20.54	0.00	0.00	6.23E+03	7.817E-03	7.427E-03	1.003	7.794E-03	2.4824E-04	2.3560E-04	PLATE
17	99.11	-20.54	0.00	0.00	6.11E+03	7.667E-03	7.285E-03	.993	7.718E-03	2.4358E-04	2.3187E-04	PLATE
18	102.90	-20.54	0.00	0.00	6.06E+03	7.602E-03	7.223E-03	1.005	7.885E-03	2.4142E-04	2.2939E-04	PLATE
19	106.72	-20.54	0.00	0.00	5.92E+03	7.426E-03	7.056E-03	1.008	6.818E-03	2.3584E-04	2.2408E-04	PLATE
20	110.53	-20.54	0.00	0.00	5.76E+03	7.225E-03	6.865E-03	.978	7.398E-03	2.2946E-04	2.1803E-04	PLATE
21	114.35	-20.54	0.00	0.00	5.82E+03	7.298E-03	6.934E-03	.998	7.313E-03	2.3176E-04	2.2021E-04	PLATE
22	118.18	-20.54	0.00	0.00	5.92E+03	7.431E-03	7.061E-03	1.001	7.427E-03	2.3601E-04	2.2425E-04	PLATE
23	121.96	-20.54	0.00	0.00	6.06E+03	7.608E-03	7.221E-03	.983	7.735E-03	2.4135E-04	2.2933E-04	PLATE
24	125.78	-20.54	0.00	0.00	6.26E+03	7.860E-03	7.468E-03	.959	8.193E-03	2.4962E-04	2.3718E-04	PLATE
25	129.59	-20.54	0.00	0.00	6.31E+03	8.548E-03	8.122E-03	.988	8.651E-03	2.7146E-04	2.5793E-04	PLATE
											RE/M= 2.199E+06	
26	35.52	-0.00	0.00	0.00	1.02E+06	1.221E-02	1.161E-02	1.036	1.179E-02	3.9764E-04	3.7807E-04	PLATE
27	40.59	-0.00	0.00	0.00	9.44E+03	1.132E-02	1.076E-02	1.007	1.124E-02	3.6854E-04	3.5036E-04	PLATE
28	45.68	-0.00	0.00	0.00	9.09E+03	1.089E-02	1.035E-02	1.020	1.068E-02	3.5464E-04	3.3715E-04	PLATE
29	49.49	-0.00	0.00	0.00	8.62E+03	1.032E-02	9.814E-03	1.007	1.026E-02	3.3615E-04	3.1987E-04	PLATE
30	53.33	-0.00	0.00	0.00	8.26E+03	9.897E-03	9.409E-03	1.006	9.834E-03	3.2227E-04	3.0638E-04	PLATE
31	57.18	-0.00	0.00	0.00	7.91E+03	9.466E-03	8.999E-03	1.005	9.419E-03	3.0823E-04	2.9304E-04	PLATE
32	64.96	-0.00	0.00	0.00	7.54E+03	9.023E-03	8.578E-03	1.004	8.985E-03	2.9386E-04	2.7932E-04	PLATE
33	64.71	-0.00	0.00	0.00	7.20E+03	8.607E-03	8.259E-03	1.014	8.881E-03	2.8205E-04	2.6891E-04	PLATE
34	68.49	-0.00	0.00	0.00	6.85E+03	8.197E-03	7.793E-03	1.007	7.852E-03	2.6689E-04	2.5376E-04	PLATE
35	72.39	-0.00	0.00	0.00	6.61E+03	7.911E-03	7.521E-03	1.007	7.776E-03	2.5758E-04	2.4489E-04	PLATE
36	76.23	-0.00	0.00	0.00	6.56E+03	7.846E-03	7.459E-03	1.009	7.776E-03	2.5547E-04	2.4280E-04	PLATE
37	80.03	-0.00	0.00	0.00	6.47E+03	7.737E-03	7.356E-03	1.005	7.708E-03	2.5194E-04	2.3953E-04	PLATE
38	83.81	-0.00	0.00	0.00	6.51E+03	7.790E-03	7.406E-03	1.012	7.708E-03	2.5364E-04	2.4115E-04	PLATE
39	87.66	-0.00	0.00	0.00	6.50E+03	7.772E-03	7.389E-03	1.009	7.708E-03	2.5307E-04	2.4061E-04	PLATE
40	91.47	-0.00	0.00	0.00	6.52E+03	7.796E-03	7.412E-03	1.012	7.708E-03	2.5385E-04	2.4138E-04	PLATE

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(39) 1973 PAGE 66

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
41	95.27	-0.00	0.00	0.00	6.39E+03	7.645E-03	7.269E-03	.994	7.689E-03	2.4893E-04	2.3668E-04	PLATE
42	99.08	-0.00	0.00	0.00	6.32E+03	7.555E-03	7.183E-03	1.002	7.537E-03	2.4599E-04	2.3388E-04	PLATE
43	102.32	-0.00	0.00	0.00	6.26E+03	7.486E-03	7.117E-03	1.030	7.266E-03	2.4375E-04	2.3175E-04	PLATE
44	106.75	-0.00	0.00	0.00	6.23E+03	7.452E-03	7.085E-03	1.029	7.240E-03	2.4263E-04	2.3070E-04	PLATE
45	110.53	-0.00	0.00	0.00	6.27E+03	7.487E-03	7.119E-03	.994	7.532E-03	2.4379E-04	2.3188E-04	PLATE
46	114.35	-0.00	0.00	0.00	6.52E+03	7.791E-03	7.407E-03	1.004	7.761E-03	2.5367E-04	2.4119E-04	PLATE
47	118.17	-0.00	0.00	0.00	3.40E+03	4.088E-03	3.886E-03	.508	8.054E-03	1.3310E-04	1.2652E-04	PLATE
48	121.96	-0.00	0.00	0.00	7.12E+03	8.504E-03	8.086E-03	.988	8.612E-03	2.7691E-04	2.6328E-04	PLATE
49	125.78	-0.00	0.00	0.00	7.63E+03	9.123E-03	8.674E-03	.969	9.413E-03	2.9705E-04	2.8244E-04	PLATE
50	127.04	-0.00	0.00	0.00	8.17E+03	9.765E-03	9.284E-03	1.009	9.679E-03	3.1795E-04	3.0231E-04	PLATE
											RE/M=	2.125E+06
51	35.52	20.54	0.00	0.00	1.07E+04	1.247E-02	1.185E-02	.996	1.252E-02	4.1207E-04	3.9188E-04	PLATE
52	40.61	20.54	0.00	0.00	1.00E+04	1.172E-02	1.114E-02	1.001	1.170E-02	3.8727E-04	3.6828E-04	PLATE
53	45.74	20.54	0.00	0.00	9.50E+03	1.108E-02	1.053E-02	1.018	1.088E-02	3.6616E-04	3.4822E-04	PLATE
54	49.53	20.54	0.00	0.00	9.12E+03	1.067E-02	1.014E-02	1.038	1.028E-02	3.5262E-04	3.3533E-04	PLATE
55	53.37	20.54	0.00	0.00	8.74E+03	1.020E-02	9.701E-03	1.027	9.931E-03	3.3724E-04	3.2070E-04	PLATE
56	57.15	20.54	0.00	0.00	8.69E+03	1.014E-02	9.643E-03	1.053	9.628E-03	3.3523E-04	3.1879E-04	PLATE
57	60.97	20.54	0.00	0.00	8.27E+03	9.653E-03	9.179E-03	1.035	9.323E-03	3.1910E-04	3.0344E-04	PLATE
58	64.78	20.54	0.00	0.00	7.87E+03	9.188E-03	8.737E-03	1.019	9.018E-03	3.0372E-04	2.8862E-04	PLATE
59	68.60	20.54	0.00	0.00	7.93E+03	9.251E-03	8.797E-03	1.062	8.712E-03	3.0581E-04	2.9081E-04	PLATE
60	72.41	20.54	0.00	0.00	7.49E+03	8.746E-03	8.317E-03	1.028	8.504E-03	2.8911E-04	2.7493E-04	PLATE
61	76.21	20.54	0.00	0.00	7.53E+03	8.788E-03	8.357E-03	1.052	8.352E-03	2.9051E-04	2.7625E-04	PLATE
62	80.02	20.54	0.00	0.00	7.30E+03	8.517E-03	8.099E-03	1.039	8.199E-03	2.8155E-04	2.6773E-04	PLATE
63	83.85	20.54	0.00	0.00	7.34E+03	8.570E-03	8.150E-03	1.060	8.085E-03	2.8331E-04	2.6941E-04	PLATE
64	87.66	20.54	0.00	0.00	7.84E+03	9.155E-03	8.706E-03	1.149	7.970E-03	3.0264E-04	2.8778E-04	PLATE
65	91.48	20.54	0.00	0.00	7.68E+03	8.960E-03	7.855E-03	1.053	7.841E-03	2.7307E-04	2.5967E-04	PLATE
66	95.25	20.54	0.00	0.00	6.83E+03	7.975E-03	7.583E-03	1.038	7.685E-03	2.6363E-04	2.5069E-04	PLATE
67	99.10	20.54	0.00	0.00	6.32E+03	7.380E-03	7.017E-03	.998	7.454E-03	2.4395E-04	2.3197E-04	PLATE
68	102.91	20.54	0.00	0.00	6.00E+03	7.017E-03	6.672E-03	.963	7.284E-03	2.3198E-04	2.2057E-04	PLATE
69	106.72	20.54	0.00	0.00	6.17E+03	7.220E-03	6.864E-03	.989	7.303E-03	2.3867E-04	2.2692E-04	PLATE
70	110.51	20.54	0.00	0.00	6.36E+03	7.452E-03	7.085E-03	.984	7.571E-03	2.4634E-04	2.3420E-04	PLATE
71	114.34	20.54	0.00	0.00	6.95E+03	8.107E-03	7.764E-03	1.007	8.108E-03	2.6999E-04	2.5666E-04	PLATE
72	118.13	20.54	0.00	0.00	7.68E+03	9.268E-03	8.809E-03	1.865	8.781E-03	3.0636E-04	2.9121E-04	PLATE
73	121.95	20.54	0.00	0.00	8.04E+03	9.466E-03	8.998E-03	.996	9.506E-03	3.1293E-04	2.9745E-04	PLATE
74	125.76	20.54	0.00	0.00	8.71E+03	1.027E-02	9.764E-03	.979	1.050E-02	3.3961E-04	3.2278E-04	PLATE
75	129.57	20.54	0.00	0.00	9.58E+03	1.131E-02	1.075E-02	.985	1.149E-02	3.7307E-04	3.5533E-04	PLATE

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN(48) 1973

TT = 1.1803E+03(K) CONF= 1.00
PT = 1.1577E+06(N/M2) GAP = 0.000 CM
HT = 1.2543E+07(J/KG) STEP = 0.000(CM)
RE/METER= 3.367GE+06
MACH = 5.18
QS = 1.3773E+05(N/M2)
MAN/HT =0.967 FOR HT
MAN/HT =0.974 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 3.368E+06
										3.3413E-04	3.1734E-04	PLATE	
1	35.57	-20.54	0.00	0.00	1.17E+04	1.503E-02	1.427E-02	.995	1.510E-02	3.1734E-04	2.9406E-04	PLATE	
2	40.65	-20.54	0.00	0.00	1.03E+04	1.392E-02	1.322E-02	.982	1.416E-02	2.9406E-04	2.6823E-04	PLATE	
3	45.72	-20.54	0.00	0.00	1.04E+04	1.327E-02	1.260E-02	1.000	1.327E-02	2.6823E-04	2.6653E-04	PLATE	
4	49.54	-20.54	0.00	0.00	9.80E+03	1.262E-02	1.199E-02	1.003	1.258E-02	2.6653E-04	2.5617E-04	PLATE	
5	53.34	-20.54	0.00	0.00	9.47E+03	1.213E-02	1.152E-02	.992	1.223E-02	2.6972E-04	2.4526E-04	PLATE	
6	57.19	-20.54	0.00	0.00	9.07E+03	1.161E-02	1.103E-02	.974	1.192E-02	2.5824E-04	2.4567E-04	PLATE	
7	60.97	-20.54	0.00	0.00	9.03E+03	1.163E-02	1.105E-02	1.000	1.163E-02	2.5867E-04	2.3804E-04	PLATE	
8	64.78	-20.54	0.00	0.00	8.81E+03	1.127E-02	1.070E-02	.992	1.137E-02	2.5063E-04	2.2965E-04	PLATE	
9	68.56	-20.54	0.00	0.00	8.49E+03	1.086E-02	1.032E-02	.979	1.110E-02	2.4159E-04	2.2486E-04	PLATE	
10	72.42	-20.54	0.00	0.00	8.32E+03	1.065E-02	1.011E-02	.981	1.086E-02	2.3675E-04	2.2679E-04	PLATE	
11	76.20	-20.54	0.00	0.00	8.02E+03	1.026E-02	9.749E-03	.906	1.063E-02	2.2825E-04	2.1869E-04	PLATE	
12	80.05	-20.54	0.00	0.00	7.80E+03	9.975E-03	9.474E-03	.959	1.043E-02	2.2183E-04	2.2312E-04	PLATE	
13	83.86	-20.54	0.00	0.00	8.26E+03	1.056E-02	1.003E-02	1.005	1.052E-02	2.3692E-04	2.2140E-04	PLATE	
14	87.67	-20.54	0.00	0.00	8.19E+03	1.048E-02	9.956E-03	.986	1.063E-02	2.3310E-04	2.2324E-04	PLATE	
15	91.49	-20.54	0.00	0.00	8.20E+03	1.057E-02	1.004E-02	.980	1.079E-02	2.3505E-04	2.3210E-04	PLATE	
16	95.29	-20.54	0.00	0.00	8.53E+03	1.099E-02	1.044E-02	.993	1.107E-02	2.4466E-04	2.4678E-04	PLATE	
17	99.11	-20.54	0.00	0.00	9.13E+03	1.168E-02	1.110E-02	.975	1.199E-02	2.5903E-04	2.7472E-04	PLATE	
18	102.93	-20.54	0.00	0.00	1.62E+04	1.301E-02	1.235E-02	.995	1.307E-02	2.8923E-04	3.0608E-04	PLATE	
19	106.72	-20.54	0.00	0.00	1.13E+04	1.449E-02	1.376E-02	.988	1.466E-02	3.2227E-04	3.4491E-04	PLATE	
20	110.53	-20.54	0.00	0.00	1.20E+04	1.633E-02	1.551E-02	.971	1.683E-02	3.6316E-04	4.0888E-04	PLATE	
21	114.35	-20.54	0.00	0.00	1.51E+04	1.935E-02	1.838E-02	1.000	1.919E-02	4.3038E-04	4.7499E-04	PLATE	
22	118.18	-20.54	0.00	0.00	1.70E+04	2.249E-02	2.136E-02	1.001	2.246E-02	5.0006E-04	5.5089E-04	PLATE	
23	121.96	-20.54	0.00	0.00	2.04E+04	2.608E-02	2.477E-02	.990	2.619E-02	5.8003E-04	6.2804E-04	PLATE	
24	125.78	-20.54	0.00	0.00	2.33E+04	2.977E-02	2.827E-02	.983	3.028E-02	6.6191E-04	7.2234E-04	PLATE	
25	129.59	-20.54	0.00	0.00	2.67E+04	3.420E-02	3.248E-02	.995	3.436E-02	7.6056E-04			
												RE/M= 3.261E+06	
26	35.52	-0.00	0.00	0.00	1.13E+04	1.412E-02	1.341E-02	1.003	1.407E-02	3.1778E-04	3.0198E-04	PLATE	
27	40.59	-0.00	0.00	0.00	1.05E+04	1.324E-02	1.258E-02	.995	1.331E-02	2.9757E-04	2.8305E-04	PLATE	
28	45.68	-0.00	0.00	0.00	1.02E+04	1.277E-02	1.213E-02	1.017	1.255E-02	2.8735E-04	2.7297E-04	PLATE	
29	49.49	-0.00	0.00	0.00	9.70E+03	1.214E-02	1.154E-02	1.014	1.198E-02	2.7331E-04	2.5964E-04	PLATE	
30	53.33	-0.00	0.00	0.00	9.35E+03	1.171E-02	1.112E-02	1.024	1.143E-02	2.6347E-04	2.5129E-04	PLATE	
31	57.10	-0.00	0.00	0.00	8.94E+03	1.119E-02	1.063E-02	1.026	1.091E-02	2.5175E-04	2.3915E-04	PLATE	
32	60.96	-0.00	0.00	0.00	8.66E+03	1.086E-02	1.032E-02	1.043	1.041E-02	2.4467E-04	2.3225E-04	PLATE	
33	64.71	-0.00	0.00	0.00	8.37E+03	1.047E-02	9.951E-03	1.040	1.008E-02	2.3575E-04	2.2396E-04	PLATE	
34	68.49	-0.00	0.00	0.00	7.93E+03	9.915E-03	9.419E-03	1.010	9.736E-03	2.2316E-04	2.1199E-04	PLATE	
35	72.39	-0.00	0.00	0.00	7.53E+03	9.409E-03	9.015E-03	1.001	9.408E-03	2.1356E-04	2.0209E-04	PLATE	
36	76.23	-0.00	0.00	0.00	7.41E+03	9.266E-03	8.883E-03	.998	9.289E-03	2.0854E-04	1.9812E-04	PLATE	
37	80.03	-0.00	0.00	0.00	7.34E+03	9.178E-03	8.720E-03	1.000	9.103E-03	2.0657E-04	1.9625E-04	PLATE	
38	83.81	-0.00	0.00	0.00	7.62E+03	9.533E-03	9.057E-03	1.001	9.520E-03	2.1594E-04	2.0303E-04	PLATE	
39	87.66	-0.00	0.00	0.00	7.57E+03	9.934E-03	9.440E-03	.999	9.945E-03	2.2557E-04	2.1241E-04	PLATE	
40	91.47	-0.00	0.00	0.00	8.51E+03	1.078E-02	1.016E-02	1.008	1.061E-02	2.4074E-04	2.2871E-04	PLATE	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(48) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
41	95.27	-0.00	0.00	0.00	9.35E+03	1.168E-02	1.110E-02	.997	1.171E-02	2.6295E-04	2.4982E-04	PLATE
42	99.08	-0.00	0.00	0.00	1.03E+04	1.289E-02	1.224E-02	.968	1.331E-02	2.9803E-04	2.7555E-04	PLATE
43	102.92	-0.00	0.00	0.00	1.17E+04	1.461E-02	1.388E-02	.960	1.522E-02	3.2886E-04	3.1245E-04	PLATE
44	106.75	-0.00	0.00	0.00	1.36E+04	1.694E-02	1.609E-02	.971	1.745E-02	3.8122E-04	3.6219E-04	PLATE
45	110.53	-0.00	0.00	0.00	1.57E+04	1.966E-02	1.868E-02	.980	2.005E-02	4.4245E-04	4.2037E-04	PLATE
46	114.35	-0.00	0.00	0.00	1.87E+04	2.333E-02	2.217E-02	1.000	2.334E-02	5.2513E-04	4.9893E-04	PLATE
47	118.17	-0.00	0.00	0.00	2.19E+04	2.749E-02	2.603E-02	.998	2.745E-02	6.1671E-04	5.8593E-04	PLATE
48	121.96	-0.00	0.00	0.00	2.54E+04	3.175E-02	3.017E-02	.996	3.187E-02	7.1458E-04	6.7893E-04	PLATE
49	125.78	-0.00	0.00	0.00	2.87E+04	3.588E-02	3.409E-02	.983	3.649E-02	8.0745E-04	7.6715E-04	PLATE
50	127.04	-0.00	0.00	0.00	3.14E+04	3.926E-02	3.730E-02	1.033	3.802E-02	8.8367E-04	8.3957E-04	PLATE
												RE/M= 3.165E+06
51	35.52	20.54	0.00	0.00	1.14E+04	1.439E-02	1.368E-02	.984	1.463E-02	3.2937E-04	3.1301E-04	PLATE
52	40.61	20.54	0.00	0.00	1.13E+04	1.371E-02	1.303E-02	.985	1.391E-02	3.1367E-04	2.9807E-04	PLATE
53	45.74	20.54	0.00	0.00	1.07E+04	1.294E-02	1.230E-02	.981	1.320E-02	2.9608E-04	2.8138E-04	PLATE
54	49.53	20.54	0.00	0.00	1.03E+04	1.254E-02	1.192E-02	.990	1.267E-02	2.8699E-04	2.7272E-04	PLATE
55	53.37	20.54	0.00	0.00	9.81E+03	1.197E-02	1.134E-02	.973	1.226E-02	2.7308E-04	2.5949E-04	PLATE
56	57.15	20.54	0.00	0.00	9.80E+03	1.191E-02	1.132E-02	1.002	1.188E-02	2.7247E-04	2.5892E-04	PLATE
57	60.97	20.54	0.00	0.00	9.27E+03	1.127E-02	1.071E-02	.978	1.152E-02	2.5792E-04	2.4510E-04	PLATE
58	64.78	20.54	0.00	0.00	8.91E+03	1.083E-02	1.029E-02	.966	1.122E-02	2.4787E-04	2.3554E-04	PLATE
59	68.60	20.54	0.00	0.00	9.03E+03	1.098E-02	1.043E-02	1.006	1.091E-02	2.5116E-04	2.3867E-04	PLATE
60	72.41	20.54	0.00	0.00	8.72E+03	1.061E-02	1.009E-02	.972	1.092E-02	2.4288E-04	2.3079E-04	PLATE
61	76.21	20.54	0.00	0.00	8.96E+03	1.090E-02	1.036E-02	.981	1.111E-02	2.4962E-04	2.3701E-04	PLATE
62	80.02	20.54	0.00	0.00	8.99E+03	1.095E-02	1.040E-02	.968	1.130E-02	2.5045E-04	2.3798E-04	PLATE
63	83.85	20.54	0.00	0.00	9.09E+03	1.155E-02	1.098E-02	.995	1.161E-02	2.6432E-04	2.5116E-04	PLATE
64	87.66	20.54	0.00	0.00	1.08E+04	1.309E-02	1.244E-02	1.099	1.191E-02	2.9963E-04	2.8471E-04	PLATE
65	91.48	20.54	0.00	0.00	1.06E+04	1.287E-02	1.223E-02	1.031	1.248E-02	2.9443E-04	2.7978E-04	PLATE
66	95.25	20.54	0.00	0.00	1.11E+04	1.354E-02	1.287E-02	1.006	1.346E-02	3.0983E-04	2.9439E-04	PLATE
67	99.10	20.54	0.00	0.00	1.18E+04	1.439E-02	1.367E-02	1.080	1.438E-02	3.2928E-04	3.1286E-04	PLATE
68	102.91	20.54	0.00	0.00	1.30E+04	1.585E-02	1.506E-02	.988	1.617E-02	3.6277E-04	3.4465E-04	PLATE
69	106.72	20.54	0.00	0.00	1.50E+04	1.834E-02	1.742E-02	.979	1.874E-02	4.1962E-04	3.9862E-04	PLATE
70	110.51	20.54	0.00	0.00	1.76E+04	2.159E-02	2.051E-02	.980	2.203E-02	4.9405E-04	4.6929E-04	PLATE
71	114.34	20.54	0.00	0.00	2.11E+04	2.592E-02	2.461E-02	.996	2.601E-02	5.9301E-04	5.6321E-04	PLATE
72	118.13	20.54	0.00	0.00	2.48E+04	3.050E-02	2.896E-02	1.022	2.983E-02	6.9743E-04	6.6269E-04	PLATE
73	121.95	20.54	0.00	0.00	2.71E+04	3.346E-02	3.177E-02	1.012	3.304E-02	7.6552E-04	7.2692E-04	PLATE
74	125.76	20.54	0.00	0.00	2.92E+04	3.609E-02	3.427E-02	1.012	3.567E-02	8.2586E-04	7.8414E-04	PLATE
75	129.57	20.54	0.00	0.00	3.12E+04	3.860E-02	3.665E-02	1.008	3.830E-02	8.8322E-04	8.3852E-04	PLATE

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(41) 1973

CONF= 1.00
GAP = 0.050 CM
STEP = 0.000(CM)

TT = 1.175+E+03(K)
PT = 1.+342E+06(N/M2)
HT = 1.2487E+06(J/KG)
RE/METER= 4.5119E+06
MACH = 5.10
QC = 1.5801E+05(W/M2)
MAW/MT =0.307 FOR MT
MAW/MT =0.476 FOR ML

I/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MRLEFF	AREFF (KG/M2-S)	STL	STT	GAP-TYPE		RE/M= 4.512E+06
1	35.57	-20.54	0.00	0.00	1.31E+04	1.695E-02	1.609E-02	1.000	1.695E-02	2.8876E-04	2.665E-04	PLATE	2.675E-04	PLATE
2	48.69	-20.54	0.00	0.00	1.22E+04	1.584E-02	1.504E-02	.985	1.609E-02	2.6262E-04	2.491E-04	PLATE	2.328E-04	PLATE
3	55.72	-20.54	0.00	0.00	1.17E+04	1.519E-02	1.442E-02	.990	1.523E-02	2.5162E-04	2.389E-04	PLATE	2.250E-04	PLATE
4	59.54	-20.54	0.00	0.00	1.12E+04	1.465E-02	1.372E-02	.991	1.458E-02	2.3937E-04	2.277E-04	PLATE	2.131E-04	PLATE
5	53.34	-20.54	0.00	0.00	1.07E+04	1.385E-02	1.315E-02	.982	1.410E-02	2.2942E-04	2.170E-04	PLATE	2.044E-04	PLATE
6	57.19	-20.54	0.00	0.00	1.03E+04	1.327E-02	1.260E-02	.973	1.364E-02	2.1986E-04	2.087E-04	PLATE	1.965E-04	PLATE
7	60.37	-20.54	0.00	0.00	1.03E+04	1.342E-02	1.265E-02	1.007	1.322E-02	2.2064E-04	2.042E-04	PLATE	1.922E-04	PLATE
8	64.78	-20.54	0.00	0.00	1.00E+04	1.298E-02	1.223E-02	1.005	1.292E-02	2.1508E-04	1.981E-04	PLATE	1.866E-04	PLATE
9	68.58	-20.54	0.00	0.00	9.75E+03	1.260E-02	1.190E-02	.999	1.261E-02	2.0868E-04	1.952E-04	PLATE	1.838E-04	PLATE
10	72.42	-20.54	0.00	0.00	9.61E+03	1.241E-02	1.179E-02	.989	1.255E-02	2.0856E-04	1.911E-04	PLATE	1.799E-04	PLATE
11	76.24	-20.54	0.00	0.00	9.43E+03	1.217E-02	1.156E-02	.984	1.236E-02	2.0126E-04	1.911E-04	PLATE	1.799E-04	PLATE
12	80.05	-20.54	0.00	0.00	9.41E+03	1.215E-02	1.154E-02	.986	1.271E-02	2.1648E-04	2.055E-04	PLATE	1.935E-04	PLATE
13	83.90	-20.54	0.00	0.00	1.01E+04	1.307E-02	1.241E-02	.981	1.332E-02	2.2319E-04	2.119E-04	PLATE	1.995E-04	PLATE
14	87.67	-20.54	0.00	0.00	1.04E+04	1.347E-02	1.279E-02	.988	1.393E-02	2.3367E-04	2.247E-04	PLATE	2.115E-04	PLATE
15	91.49	-20.54	0.00	0.00	1.11E+04	1.429E-02	1.357E-02	.989	1.445E-02	2.4191E-04	2.086E-04	PLATE	1.964E-04	PLATE
16	95.29	-20.54	0.00	0.00	1.22E+04	1.581E-02	1.501E-02	1.052	1.504E-02	2.5952E-04	2.044E-04	PLATE	1.924E-04	PLATE
17	99.11	-20.54	0.00	0.00	1.40E+04	1.808E-02	1.717E-02	.995	1.817E-02	2.9952E-04	2.044E-04	PLATE	1.924E-04	PLATE
18	102.98	-20.54	0.00	0.00	1.65E+04	2.135E-02	2.027E-02	.982	2.174E-02	3.5369E-04	3.358E-04	PLATE	3.160E-04	PLATE
19	106.72	-20.54	0.00	0.00	1.93E+04	2.499E-02	2.368E-02	.975	2.559E-02	4.1316E-04	3.922E-04	PLATE	3.692E-04	PLATE
20	110.53	-20.54	0.00	0.00	2.24E+04	2.894E-02	2.740E-02	.976	2.967E-02	4.7943E-04	4.552E-04	PLATE	4.287E-04	PLATE
21	114.35	-20.54	0.00	0.00	2.65E+04	3.425E-02	3.252E-02	.993	3.448E-02	5.6729E-04	5.386E-04	PLATE	5.072E-04	PLATE
22	118.16	-20.54	0.00	0.00	3.01E+04	3.894E-02	3.697E-02	.990	4.109E-02	6.4490E-04	6.123E-04	PLATE	5.765E-04	PLATE
23	121.96	-20.54	0.00	0.00	3.40E+04	4.396E-02	4.174E-02	.956	4.598E-02	7.2814E-04	6.913E-04	PLATE	6.511E-04	PLATE
24	125.78	-20.54	0.00	0.00	3.73E+04	4.781E-02	4.539E-02	.974	4.908E-02	7.9194E-04	7.519E-04	PLATE	7.082E-04	PLATE
25	129.59	-20.54	0.00	0.00	4.03E+04	5.218E-02	4.957E-02	.999	5.217E-02	8.6259E-04	8.193E-04	PLATE	7.717E-04	PLATE
26	35.52	-0.00	0.00	0.00	1.22E+04	1.574E-02	1.495E-02	1.014	1.553E-02	2.6877E-04	2.475E-04	PLATE	2.331E-04	PLATE
27	48.53	-0.00	0.00	0.00	1.14E+04	1.475E-02	1.401E-02	.994	1.482E-02	2.4438E-04	2.328E-04	PLATE	2.192E-04	PLATE
28	55.68	-0.00	0.00	0.00	1.10E+04	1.431E-02	1.358E-02	1.014	1.411E-02	2.3701E-04	2.250E-04	PLATE	2.119E-04	PLATE
29	59.49	-0.00	0.00	0.00	1.05E+04	1.355E-02	1.287E-02	.993	1.357E-02	2.2448E-04	2.131E-04	PLATE	2.007E-04	PLATE
30	53.33	-0.00	0.00	0.00	1.01E+04	1.301E-02	1.236E-02	1.004	1.297E-02	2.1556E-04	2.060E-04	PLATE	1.940E-04	PLATE
31	57.10	-0.00	0.00	0.00	9.65E+03	1.249E-02	1.185E-02	1.018	1.236E-02	2.0627E-04	1.963E-04	PLATE	1.849E-04	PLATE
32	60.90	-0.00	0.00	0.00	9.33E+03	1.209E-02	1.148E-02	1.023	1.181E-02	1.9337E-04	1.839E-04	PLATE	1.732E-04	PLATE
33	64.75	-0.00	0.00	0.00	9.03E+03	1.170E-02	1.111E-02	1.019	1.146E-02	1.8523E-04	1.750E-04	PLATE	1.648E-04	PLATE
34	68.49	-0.00	0.00	0.00	8.85E+03	1.118E-02	1.062E-02	1.004	1.114E-02	1.8091E-04	1.717E-04	PLATE	1.617E-04	PLATE
35	72.39	-0.00	0.00	0.00	8.49E+03	1.092E-02	1.037E-02	.976	1.119E-02	1.8398E-04	1.746E-04	PLATE	1.644E-04	PLATE
36	76.21	-0.00	0.00	0.00	8.50E+03	1.116E-02	1.059E-02	.986	1.150E-02	1.9253E-04	1.828E-04	PLATE	1.721E-04	PLATE
37	80.03	-0.00	0.00	0.00	8.93E+03	1.162E-02	1.104E-02	.984	1.181E-02	1.9787E-04	1.879E-04	PLATE	1.769E-04	PLATE
38	83.91	-0.00	0.00	0.00	9.04E+03	1.180E-02	1.121E-02	.972	1.154E-02	2.1287E-04	2.021E-04	PLATE	1.903E-04	PLATE
39	87.66	-0.00	0.00	0.00	9.04E+03	1.180E-02	1.120E-02	.988	1.134E-02	2.3625E-04	2.243E-04	PLATE	2.112E-04	PLATE
40	91.47	-0.00	0.00	0.00	1.25E+04	1.618E-02	1.536E-02	.994	1.628E-02	2.6884E-04	2.553E-04	PLATE	2.404E-04	PLATE

AMES 3.5 FT WIND TUNNEL TEST(1581). G. BLUMER RSI TILE GAPS RUN# 41) 1973

PAGE 78

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MT,EFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													NE/M= 6.362E+06
41	95.27	-0.00	0.00	0.00	1.44E+04	1.86E-02	1.77E-02	1.002	1.86E-02	3.08E-04	2.93E-04	PLATE	2.67E-04
42	99.68	-0.00	0.00	0.00	1.65E+04	2.13E-02	2.03E-02	.983	2.17E-02	3.56E-04	3.36E-04	PLATE	2.53E-04
43	102.92	-0.00	0.00	0.00	1.84E+04	2.51E-02	2.39E-02	.995	2.52E-02	4.15E-04	3.96E-04	PLATE	2.39E-04
44	106.75	-0.00	0.00	0.00	2.31E+04	2.98E-02	2.83E-02	1.014	2.94E-02	4.88E-04	4.69E-04	PLATE	2.25E-04
45	110.23	-0.00	0.00	0.00	2.86E+04	3.63E-02	3.25E-02	1.003	3.42E-02	5.69E-04	5.39E-04	PLATE	2.26E-04
46	114.35	-0.00	0.00	0.00	3.37E+04	3.96E-02	3.76E-02	1.009	3.92E-02	6.62E-04	6.22E-04	PLATE	2.17E-04
47	118.17	-0.00	0.00	0.00	3.87E+04	4.49E-02	4.25E-02	1.018	4.40E-02	7.45E-04	7.05E-04	PLATE	2.11E-04
48	121.96	-0.00	0.00	0.00	4.24E+04	4.94E-02	4.69E-02	1.021	4.84E-02	8.19E-04	7.78E-04	PLATE	2.07E-04
49	125.78	-0.00	0.00	0.00	4.29E+04	5.20E-02	5.01E-02	1.003	5.26E-02	8.75E-04	8.36E-04	PLATE	2.06E-04
50	127.64	-0.00	0.00	0.00	4.24E+04	5.40E-02	5.20E-02	1.015	5.40E-02	9.08E-04	8.62E-04	PLATE	2.06E-04
51	35.52	20.54	0.00	0.00	1.33E+04	1.05E-02	1.57E-02	1.007	1.64E-02	2.79E-04	2.65E-04	PLATE	2.67E-04
52	40.01	20.54	0.00	0.00	1.52E+04	1.59E-02	1.50E-02	1.000	1.59E-02	2.66E-04	2.53E-04	PLATE	2.53E-04
53	42.74	20.54	0.00	0.00	1.61E+04	1.64E-02	1.42E-02	.986	1.51E-02	2.51E-04	2.39E-04	PLATE	2.39E-04
54	49.53	20.54	0.00	0.00	1.81E+04	1.69E-02	1.39E-02	.997	1.48E-02	2.46E-04	2.34E-04	PLATE	2.34E-04
55	53.17	20.54	0.00	0.00	1.82E+04	1.40E-02	1.33E-02	.984	1.43E-02	2.37E-04	2.25E-04	PLATE	2.25E-04
56	57.15	20.54	0.00	0.00	1.83E+04	1.44E-02	1.34E-02	1.012	1.39E-02	2.38E-04	2.26E-04	PLATE	2.26E-04
57	60.37	20.54	0.00	0.00	1.83E+04	1.36E-02	1.29E-02	.991	1.37E-02	2.23E-04	2.17E-04	PLATE	2.17E-04
58	64.78	20.54	0.00	0.00	1.83E+04	1.32E-02	1.25E-02	.956	1.30E-02	2.23E-04	2.11E-04	PLATE	2.11E-04
59	69.60	20.54	0.00	0.00	1.82E+04	1.37E-02	1.31E-02	.988	1.39E-02	2.32E-04	2.20E-04	PLATE	2.20E-04
60	72.41	20.54	0.00	0.00	1.81E+04	1.37E-02	1.30E-02	.952	1.44E-02	2.32E-04	2.26E-04	PLATE	2.26E-04
61	75.21	20.54	0.00	0.00	1.80E+04	1.48E-02	1.40E-02	.971	1.52E-02	2.49E-04	2.51E-04	PLATE	2.51E-04
62	80.42	20.54	0.00	0.00	1.82E+04	1.57E-02	1.49E-02	.981	1.60E-02	2.66E-04	2.51E-04	PLATE	2.51E-04
63	83.85	20.54	0.00	0.00	1.79E+04	1.74E-02	1.65E-02	1.001	1.73E-02	2.93E-04	2.77E-04	PLATE	2.77E-04
64	87.55	20.54	0.00	0.00	1.82E+04	2.06E-02	1.96E-02	1.103	1.87E-02	3.15E-04	2.97E-04	PLATE	2.97E-04
65	91.48	20.54	0.00	0.00	1.84E+04	2.05E-02	1.95E-02	1.019	2.02E-02	3.46E-04	3.26E-04	PLATE	3.26E-04
66	95.25	20.54	0.00	0.00	1.78E+04	2.23E-02	2.12E-02	1.029	2.10E-02	3.77E-04	3.56E-04	PLATE	3.56E-04
67	99.10	20.54	0.00	0.00	1.95E+04	2.44E-02	2.32E-02	1.017	2.28E-02	4.12E-04	3.92E-04	PLATE	3.92E-04
68	102.91	23.54	0.00	0.00	2.16E+04	2.65E-02	2.51E-02	.996	2.66E-02	4.47E-04	4.24E-04	PLATE	4.24E-04
69	106.72	20.54	0.00	0.00	2.35E+04	2.96E-02	2.81E-02	.996	2.97E-02	5.06E-04	4.74E-04	PLATE	4.74E-04
70	110.51	20.54	0.00	0.00	2.42E+04	3.32E-02	3.15E-02	1.001	3.31E-02	5.59E-04	5.31E-04	PLATE	5.31E-04
71	114.34	20.54	0.00	0.00	3.01E+04	3.82E-02	3.62E-02	1.105	3.45E-02	6.43E-04	6.11E-04	PLATE	6.11E-04
72	118.13	20.54	0.00	0.00	3.46E+04	4.40E-02	4.17E-02	1.077	4.08E-02	7.43E-04	7.04E-04	PLATE	7.04E-04
73	121.95	20.54	0.00	0.00	3.62E+04	4.81E-02	4.37E-02	1.088	4.57E-02	7.77E-04	7.37E-04	PLATE	7.37E-04
74	125.76	23.54	0.00	0.00	3.77E+04	4.82E-02	4.57E-02	.999	4.83E-02	8.13E-04	7.71E-04	PLATE	7.71E-04
75	129.57	20.54	0.00	0.00	3.94E+04	5.05E-02	4.79E-02	.994	5.08E-02	8.51E-04	8.08E-04	PLATE	8.08E-04

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AMES 3.5 FT WIND TUNNEL TEST(1150), C. BLUMER RSI TILE GAPS RUN1 46) 1973 PAGE 71

TT = 1.117?E+03(K) CONF= 5.10
PI = 4.6647E+02(N/M2) GAP = .254 CM
MI = 1.1813E+06(J/KG) STEP = 8.888(CM)
RE/METER= 1.4780E+06
MACH = 5.10
QS = 9.1467E+04(N/M2)
MAW/MI =0.967 FOR MT
MAW/MI =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	G/C-TYPE	
													RE/M= 1.47?E+06
1	64.62	-12.70	0.00	2.03	6.83E+03	8.32E-03	7.09E-03	.986	8.43E-03	4.486E-04	6.101E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	5.77E+03	7.97E-03	7.56E-03	.973	8.19E-03	4.22?E-04	6.?21E-04	DIAEUP	
3	68.94	-12.70	0.00	2.03	4.66E+03	5.60E-03	5.31E-03	.698	8.02E-03	2.967E-04	2.815?E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	1.19E+03	1.63E-03	1.55E-03	.205	8.00E-03	8.680E-05	8.23?9E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	1.00E+02	1.38E-04	1.31E-04	.017	8.00E-03	7.323E-06	6.958?E-06	DIAEUP	
6	69.19	-12.70	1.02	2.03	1.41E+01	1.93E-05	1.83E-05	.002	8.00E-03	1.025E-06	9.728?E-07	DIAEUP	
7	69.19	-12.70	1.52	2.03	1.35E+01	1.86?E-05	1.76?E-05	.002	8.00E-03	9.850E-07	9.357?E-07	DIAEUP	
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52	2.03	5.21E-03	7.17?E-09	6.80E-09	.000	7.95?E-03	3.790?E-10	3.605?E-10	DIAEDN	
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76	2.03	1.02E+01	2.23?E-05	2.12?E-05	.003	7.95?E-03	1.185?E-06	1.12?6E-06	DIAEDN	
12	69.70	-12.70	.51	2.03	7.67E+01	1.05?E-04	1.00?E-04	.013	7.95?E-03	5.595?E-06	5.318?E-06	DIAEDN	
13	69.70	-12.70	.25	2.03	2.54E+03	3.55?E-03	3.36?E-03	.446	7.95?E-03	1.880E-04	1.784?E-04	DIAEDN	
14	69.77	-12.70	.06	2.03	4.55E+03	6.27?E-03	5.95?E-03	.789	7.96?E-03	3.322E-04	3.152?E-04	DIAEDN	
15	69.35	-12.70	0.06	2.03	5.99E+03	8.27?E-03	7.86?E-03	1.043	7.93?E-03	4.379?E-04	4.156?E-04	DIAEDN	
16	70.46	-12.70	0.06	2.03	6.72E+03	9.27?E-03	8.80?E-03	1.173	7.90?E-03	4.911?E-04	4.668?E-04	DIAEDN	
17	70.97	-12.70	0.06	2.03	6.58E+03	8.97?E-03	8.51?E-03	1.137	7.88?E-03	4.751?E-04	4.509?E-04	DIAEDN	
18	72.24	-12.70	0.03	2.03	5.97E+03	8.24?E-03	7.82?E-03	1.052	7.80?E-03	4.360?E-04	4.165?E-04	DIAEDN	
19	74.78	-12.70	0.00	2.03	5.45E+03	7.52?E-03	7.14?E-03	.971	7.74?E-03	3.980?E-04	3.780?E-04	DIAEDN	
20	77.32	-12.70	0.30	2.03	5.70E+03	7.86?E-03	7.46?E-03	1.020	7.65?E-03	4.165?E-04	3.954?E-04	DIAEDN	
													RE/M= 1.47?E+06
61	87.45	.25	0.03	2.03	4.90E+03	6.76?E-03	6.41?E-03	.966	7.00?E-03	3.581?E-04	3.398?E-04	DIAGUP	
62	84.73	.05	0.00	2.03	4.45E+03	6.13?E-03	6.35?E-03	.906	6.93?E-03	3.546?E-04	3.363?E-04	DIAGUP	
63	91.40	.36	2.03	2.03	1.09E+01	2.60?E-05	2.47?E-05	.004	6.36?E-03	1.378?E-06	1.308?E-06	DIAGCT	
64	91.52	.05	1.52	2.03	3.73E+01	5.13?E-05	4.87?E-05	.008	6.84?E-03	2.710?E-06	2.508?E-06	DIAGDN	
65	91.52	.05	1.02	2.03	1.76E+02	2.42?E-04	2.29?E-04	.035	6.84?E-03	1.282?E-05	1.217?E-05	DIAGDN	
66	91.52	.06	.76	2.03	3.00E+02	5.04?E-04	4.79?E-04	.074	6.84?E-03	2.668?E-05	2.533?E-05	DIAGDN	
67	91.52	.06	.51	2.03	7.44E+02	9.96?E-04	9.20?E-04	.142	6.84?E-03	5.136?E-05	4.874?E-05	DIAGDN	
68	91.52	.06	.25	2.03	2.82E+03	3.88?E-03	3.68?E-03	.564	6.84?E-03	2.050?E-04	1.953?E-04	DIAGDN	
69	91.59	.35	.36										
70	91.81	.06	0.00	2.03	4.50E+03	6.29?E-03	5.97?E-03	.922	6.82?E-03	3.342?E-04	3.1?6?E-04	DIAGDN	
71	92.31	.06	0.00	2.03	4.82E+03	6.86?E-03	6.38?E-03	.978	6.79?E-03	3.511?E-04	3.339?E-04	DIAGDN	
72	92.82	.06	0.00	2.03	4.77E+03	6.57?E-03	6.24?E-03	.972	6.76?E-03	3.483?E-04	3.306?E-04	DIAGDN	
73	94.39	.06	0.00	2.03	4.63E+03	6.38?E-03	6.06?E-03	.954	6.69?E-03	3.381?E-04	3.209?E-04	DIAGDN	
74	96.63	.06	0.00										
75	99.17	.06	0.00	2.03	4.31E+03	5.94?E-03	5.63?E-03	.896	6.63?E-03	3.146?E-04	2.98?E-04	DIAGDN	
76	96.23	2.55	.76	2.03	7.57E+01	1.04?E-04	9.89?E-05	.015	6.96?E-03	5.519?E-06	5.230?E-06	DIAEDN	
77	96.23	2.55	.51	2.03	4.85E+02	6.68?E-04	6.34?E-04	.092	6.94?E-03	3.389?E-05	3.216?E-05	DIAEDN	
78	96.23	2.55	.25	2.03	1.82E+03	2.50?E-03	2.37?E-03	.368	6.94?E-03	1.?26?E-04	1.256?E-04	DIAEDN	
79	96.27	2.55	.06	2.03	2.73E+03	3.76?E-03	3.57?E-03	.542	6.94?E-03	2.072?E-04	1.893?E-04	DIAEDN	
80	96.46	2.55	0.00	2.03	3.93E+03	5.42?E-03	5.14?E-03	.782	6.93?E-03	2.872?E-04	2.726?E-04	DIAEDN	
81	96.99	2.55	0.30	2.03	4.56E+03	6.29?E-03	5.97?E-03	.912	6.90?E-03	3.333?E-04	3.163?E-04	DIAEDN	
82	96.50	2.55	0.00	2.03	4.41E+03	6.08?E-03	5.77?E-03	.885	6.87?E-03	3.222?E-04	3.057?E-04	DIAEDN	
83	92.77	2.55	0.00	2.03	4.54E+03	6.26?E-03	5.94?E-03	.921	6.80?E-03	3.310?E-04	3.149?E-04	DIAEDN	
84	95.31	2.55	0.30	2.03	4.50E+03	6.21?E-03	5.89?E-03	.931	6.67?E-03	3.289?E-04	3.121?E-04	DIAEDN	

PAGE 72

AMES 3.5 FT WIND TUNNEL TEST(1150). C. BLUNER RSI TILE GAPS RUN(461 1973

I/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MR.FF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.465E+06
85	97.95	2.15	0.00	2.03	4.40E+03	6.179E-03	5.864E-03	.927	6.666E-03	3.2721E-04	3.1053E-04	DIAEDN	
86	92.87	-2.22	.76	2.03	6.47E+01	8.915E-05	8.461E-05	.013	6.753E-03	4.7209E-06	4.4806E-06	DIAEDN	
87	92.87	-2.22	.51	2.03	4.01E+02	5.519E-04	5.238E-04	.082	6.753E-03	2.9227E-05	2.7730E-05	DIAEDN	
88	92.87	-2.22	.25	2.03	1.86E+03	2.565E-03	2.434E-03	.380	6.753E-03	1.3583E-04	1.2890E-04	DIAEDN	
89	92.31	-2.22	.04	2.03	3.20E+03	4.414E-03	4.189E-03	.654	6.751E-03	2.3372E-04	2.2181E-04	DIAEDN	
90	93.12	-2.22	0.00	2.03	4.21E+03	5.814E-03	5.518E-03	.863	6.739E-03	3.0790E-04	2.9220E-04	DIAEDN	
91	93.63	-2.22	0.00	2.03	4.73E+03	6.535E-03	6.201E-03	.974	6.709E-03	3.4604E-04	3.2839E-04	DIAEDN	
92	94.14	-2.22	0.00	2.03	4.96E+03	6.161E-03	5.846E-03	.922	6.680E-03	3.2623E-04	3.0959E-04	DIAEDN	
93	95.41	-2.22	0.00	2.03	4.80E+03	6.627E-03	6.289E-03	.999	6.630E-03	3.5093E-04	3.3306E-04	DIAEDN	
94	97.95	-2.22	0.00	2.03	4.47E+03	6.174E-03	5.859E-03	.931	6.629E-03	3.2694E-04	3.1027E-04	DIAEDN	
95	166.49	-2.22	0.00	2.03	4.00E+03	6.432E-03	6.104E-03	.975	6.594E-03	3.4063E-04	3.2326E-04	DIAEDN	
81	79.17	12.70	0.00	2.03	5.11E+03	7.010E-03	6.653E-03	.920	7.621E-03	3.7229E-04	3.5332E-04	DIAEUP	
82	81.71	12.70	0.00	2.03	4.80E+03	6.592E-03	6.256E-03	.872	7.556E-03	3.5011E-04	3.3226E-04	DIAEUP	
83	83.71	12.70	0.00	2.03	4.00E+03	5.484E-03	5.205E-03	.731	7.504E-03	2.9125E-04	2.7641E-04	DIAEUP	
84	83.96	12.70	.25	2.03	1.19E+03	1.632E-03	1.549E-03	.218	7.497E-03	8.6693E-05	8.2279E-05	DIAEUP	
85	83.96	12.70	.51	2.03	2.35E+02	3.217E-04	3.053E-04	.043	7.497E-03	1.7085E-05	1.6216E-05	DIAEUP	
86	83.96	12.70	1.02	2.03	4.32E+00	5.917E-06	5.616E-06	.001	7.497E-03	3.1425E-07	2.9827E-07	DIAEUP	
87	83.96	12.70	1.52	2.03	1.11E+00	1.520E-06	1.442E-06	.000	7.497E-03	8.0782E-08	7.6681E-08	DIAEUP	
88	84.11	12.70	1.52	2.03									
89	84.25	12.70	1.02	2.03	2.24E+01	3.071E-05	2.915E-05	.004	7.490E-03	1.6313E-06	1.5484E-06	DIAEDN	
90	84.25	12.70	.76	2.03	9.95E+01	1.362E-04	1.293E-04	.018	7.490E-03	7.2347E-06	6.8670E-06	DIAEDN	
91	84.25	12.70	.51	2.03	3.45E+02	4.729E-04	4.488E-04	.063	7.490E-03	2.5115E-05	2.3838E-05	DIAEDN	
92	84.25	12.70	.25	2.03	2.81E+03	3.859E-03	3.663E-03	.515	7.490E-03	2.0495E-04	1.9452E-04	DIAEDN	
93	84.29	12.70	.04	2.03	4.31E+03	5.914E-03	5.613E-03	.790	7.489E-03	3.1412E-04	2.9812E-04	DIAEDN	
94	84.51	12.70	0.00	2.03	5.23E+03	7.171E-03	6.805E-03	.958	7.483E-03	3.8883E-04	3.6914E-04	DIAEDN	
95	85.02	12.70	0.00	2.03	6.05E+03	8.313E-03	7.889E-03	1.113	7.478E-03	4.4158E-04	4.1900E-04	DIAEDN	
96	85.52	12.70	0.00	2.03	5.62E+03	7.710E-03	7.315E-03	1.035	7.457E-03	4.0953E-04	3.8902E-04	DIAEDN	
97	85.52	12.70	0.00	2.03	5.35E+03	7.343E-03	6.969E-03	.989	7.423E-03	3.9999E-04	3.7011E-04	DIAEDN	
98	86.79	12.70	0.00	2.03	5.10E+03	6.999E-03	6.648E-03	.951	7.357E-03	3.7156E-04	3.5269E-04	DIAEDN	
99	89.33	12.70	0.00	2.03	4.93E+03	6.765E-03	6.420E-03	.934	7.244E-03	3.5927E-04	3.4098E-04	DIAEDN	
80	91.87	12.70	0.00	2.03									

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN(47) 1973 PAGE 73

TT = 1.1973E+03(K) CONF= 5.10
PT = 9.3792E+05(N/M2) GAP = .254 CM
HT = 1.2744E+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.3648E+06
MACH = 5.10
QS = 1.2006E+05(N/M2)
MAW/HT =0.987 FOR HT
MAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.365E+06
1	64.62	-12.70	0.00	2.03	7.09E+03	9.837E-03	9.347E-03	1.083	9.086E-03	3.8558E-04	2.9837E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	7.54E+03	9.421E-03	8.951E-03	1.069	8.814E-03	2.9267E-04	2.7887E-04	DIAEUP	
3	68.34	-12.70	0.00	2.03	5.20E+03	6.489E-03	6.166E-03	.752	8.626E-03	2.8168E-04	1.9155E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	1.42E+03	1.774E-03	1.686E-03	.206	8.599E-03	5.5123E-05	5.2379E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	9.45E+01	1.178E-04	1.120E-04	.014	8.599E-03	3.6595E-06	3.4779E-06	DIAEUP	
6	69.19	-12.70	1.02										
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	3.53E+03	4.396E-03	4.177E-03	.514	8.565E-03	1.3657E-04	1.2978E-04	DIAEDN	
14	69.77	-12.70	.04	2.03	5.84E+03	7.295E-03	6.932E-03	.855	8.537E-03	2.2663E-04	2.1534E-04	DIAEDN	
15	69.85	-12.70	0.00	2.03	7.74E+03	9.672E-03	9.190E-03	1.135	8.516E-03	3.0046E-04	2.8569E-04	DIAEDN	
16	70.46	-12.70	0.00	2.03	8.91E+03	1.114E-02	1.058E-02	1.310	8.508E-03	3.4604E-04	3.2878E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	8.61E+03	1.077E-02	1.023E-02	1.269	8.485E-03	3.3463E-04	3.1793E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	7.87E+03	9.840E-03	9.349E-03	1.165	8.449E-03	3.0570E-04	2.9044E-04	DIAEDN	
19	74.78	-12.70	0.00	2.03	7.02E+03	8.775E-03	8.337E-03	1.048	8.376E-03	2.7268E-04	2.5981E-04	DIAEDN	
20	77.32	-12.70	0.00	2.03	7.36E+03	9.191E-03	8.733E-03	1.107	8.304E-03	2.8553E-04	2.7131E-04	DIAEDN	
													RE/M= 2.365E+06
61	87.45	.06	0.00	2.03	6.07E+03	7.584E-03	7.206E-03	.942	8.047E-03	2.3559E-04	2.2385E-04	DIACUP	
62	89.99	.06	0.00	2.03	6.34E+03	7.933E-03	7.537E-03	.981	8.091E-03	2.4645E-04	2.3415E-04	DIACUP	
63	91.40	.06	2.03	2.03	1.67E+01	2.078E-05	1.975E-05	.003	8.153E-03	6.4554E-07	6.1352E-07	DIACGT	
64	91.55	.06	1.52	2.03	7.52E+01	9.388E-05	8.922E-05	.012	8.159E-03	2.9165E-06	2.7717E-06	DIACDN	
65	91.55	.06	1.02	2.03	2.68E+02	3.336E-04	3.170E-04	.041	8.159E-03	1.0362E-05	9.8470E-06	DIACDN	
66	91.55	.06	.76	2.03	5.86E+02	7.308E-04	6.937E-04	.089	8.159E-03	2.2670E-05	2.1551E-05	DIACDN	
67	91.55	.06	.51	2.03	1.10E+03	1.368E-03	1.300E-03	.168	8.159E-03	4.2496E-05	4.0382E-05	DIACDN	
68	91.55	.06	.25	2.03	4.03E+03	5.033E-03	4.783E-03	.617	8.159E-03	1.5637E-04	1.4858E-04	DIACDN	
69	91.59	.06	.04										
70	91.81	.05	0.00	2.03	5.90E+03	7.445E-03	7.073E-03	.911	8.170E-03	2.3127E-04	2.1974E-04	DIACDN	
71	92.18	.06	0.00	2.03	6.31E+03	7.896E-03	7.502E-03	.964	8.193E-03	2.4529E-04	2.3305E-04	DIACDN	
72	92.82	.06	0.00	2.03	6.06E+03	7.575E-03	7.197E-03	.922	8.215E-03	2.3533E-04	2.2359E-04	DIACDN	
73	94.09	.05	0.00	2.03	6.20E+03	7.750E-03	7.370E-03	.938	8.270E-03	2.4104E-04	2.2897E-04	DIACDN	
74	96.63	.06	0.00										
75	99.17	.06	0.00	2.03	6.06E+03	7.580E-03	7.210E-03	.899	8.443E-03	2.3574E-04	2.2399E-04	DIACDN	
76	90.23	2.35	.76	2.03	9.32E+01	1.161E-04	1.103E-04	.014	8.141E-03	3.6056E-06	3.4264E-06	DIAEDN	
77	90.23	2.35	.51	2.03	6.34E+02	7.908E-04	7.517E-04	.097	8.141E-03	2.4541E-05	2.3321E-05	DIAEDN	
78	90.23	2.35	.25	2.03	2.69E+03	3.349E-03	3.182E-03	.411	8.141E-03	1.0403E-04	9.8850E-05	DIAEDN	
79	90.27	2.35	.04	2.03	4.06E+03	5.060E-03	4.815E-03	.622	8.143E-03	1.5743E-04	1.4959E-04	DIAEDN	
80	90.48	2.35	0.00	2.03	5.54E+03	6.911E-03	6.567E-03	.848	8.153E-03	2.1469E-04	2.0408E-04	DIAEDN	
81	90.89	2.35	0.00	2.03	6.22E+03	7.778E-03	7.390E-03	.951	8.178E-03	2.4162E-04	2.2957E-04	DIAEDN	
82	91.50	2.35	0.00	2.03	5.95E+03	7.440E-03	7.069E-03	.907	8.203E-03	2.3113E-04	2.1959E-04	DIAEDN	
83	92.77	2.35	0.00	2.03	6.14E+03	7.707E-03	7.322E-03	.933	8.265E-03	2.3942E-04	2.2747E-04	DIAEDN	
84	95.31	2.35	0.00	2.03	6.38E+03	7.977E-03	7.579E-03	.952	8.383E-03	2.4781E-04	2.3544E-04	DIAEDN	
85	97.85	2.35	0.00	2.03	6.42E+03	8.019E-03	7.619E-03	.947	8.466E-03	2.4911E-04	2.3669E-04	DIAEDN	
86	92.87	-2.22	.76	2.03	1.87E+02	1.335E-04	1.268E-04	.016	8.172E-03	4.1450E-06	3.9398E-06	DIAEDN	
87	92.87	-2.22	.51	2.03	5.88E+02	7.236E-04	6.876E-04	.089	8.172E-03	2.2479E-05	2.1361E-05	DIAEDN	
88	92.87	-2.22	.25	2.03	2.69E+03	3.353E-03	3.186E-03	.410	8.172E-03	1.0410E-04	9.8998E-05	DIAEDN	
89	92.91	-2.22	.04	2.03	4.68E+03	5.838E-03	5.547E-03	.714	8.174E-03	1.8135E-04	1.7232E-04	DIAEDN	

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN(47) 1973 PAGE 74

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
90	93.12	-2.22	0.00	2.03	5.93E+03	7.410E-03	7.041E-03	.906	8.182E-03	2.3019E-04	2.1872E-04	DIAEDN
91	94.63	-2.22	0.00	2.03	6.56E+03	8.202E-03	7.793E-03	1.000	8.201E-03	2.5480E-04	2.4218E-04	DIAEDN
92	96.14	-2.22	0.00	2.03	6.10E+03	7.628E-03	7.247E-03	.928	8.219E-03	2.3696E-04	2.2515E-04	DIAEDN
93	97.41	-2.22	0.00	2.03	6.49E+03	8.062E-03	7.661E-03	.976	8.264E-03	2.5047E-04	2.3798E-04	DIAEDN
94	97.95	-2.22	0.00	2.03	6.39E+03	7.990E-03	7.592E-03	.958	8.341E-03	2.4823E-04	2.3585E-04	DIAEDN
95	100.49	-2.22	0.00	2.03	6.80E+03	8.498E-03	8.067E-03	1.011	8.402E-03	2.6376E-04	2.5061E-04	DIAEDN
											RE/M=	2.181E+06
41	79.17	12.70	0.00	2.03	7.03E+03	8.174E-03	7.774E-03	1.030	7.938E-03	2.6360E-04	2.5070E-04	DIAEUP
42	81.71	12.70	0.00	2.03	6.53E+03	7.610E-03	7.237E-03	.963	7.905E-03	2.4541E-04	2.3339E-04	DIAEUP
43	83.71	12.70	0.00	2.03	5.79E+03	6.387E-03	6.074E-03	.809	7.892E-03	2.0596E-04	1.9587E-04	DIAEUP
44	83.96	12.70	.25	2.03	1.58E+03	1.831E-03	1.742E-03	.232	7.890E-03	5.9054E-05	5.6165E-05	DIAEUP
45	83.96	12.70	.51	2.03	3.11E+02	3.616E-04	3.439E-04	.046	7.890E-03	1.1660E-05	1.1089E-05	DIAEUP
46	83.96	12.70	1.02									
47	83.96	12.70	1.52									
48	84.11	12.70	2.03									
49	84.25	12.70	1.52									
50	84.25	12.70	1.02									
51	84.25	12.70	.76	2.03	1.23E+02	1.427E-04	1.358E-04	.018	7.888E-03	4.6031E-06	4.3785E-06	DIAEDN
52	84.25	12.70	.51	2.03	5.85E+02	6.787E-04	6.455E-04	.086	7.888E-03	2.1886E-05	2.0817E-05	DIAEDN
53	84.25	12.70	.25	2.03	3.93E+03	4.570E-03	4.346E-03	.579	7.888E-03	1.4736E-04	1.4015E-04	DIAEDN
54	84.29	12.70	.04	2.03	6.03E+03	7.018E-03	6.674E-03	.890	7.888E-03	2.2630E-04	2.1523E-04	DIAEDN
55	84.51	12.70	0.00	2.03	7.64E+03	8.893E-03	8.457E-03	1.128	7.887E-03	2.8676E-04	2.7272E-04	DIAEDN
56	85.02	12.70	0.00	2.03	8.38E+03	9.771E-03	9.292E-03	1.239	7.883E-03	3.1510E-04	2.9965E-04	DIAEDN
57	85.52	12.70	0.00	2.03	7.88E+03	9.198E-03	8.739E-03	1.166	7.889E-03	2.9635E-04	2.8181E-04	DIAEDN
58	86.70	12.70	0.00	2.03	7.44E+03	8.680E-03	8.254E-03	1.103	7.872E-03	2.7990E-04	2.6617E-04	DIAEDN
59	89.73	12.70	0.00	2.03	7.23E+03	8.421E-03	8.008E-03	1.072	7.855E-03	2.7156E-04	2.5825E-04	DIAEDN
60	91.87	12.70	0.00	2.03	7.23E+03	8.415E-03	8.003E-03	1.073	7.842E-03	2.7135E-04	2.5807E-04	DIAEDN

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AMES 3.5 FT WIND TUNNEL TEST(1581), C. BLUMER RSI TILE GAPS RUN(401) 1973 PAGE 75

TT = 1.133bE+03(K) CONF= 5.10
PI = 1.174AE+Lb(N/M2) GAP = .254 CM
HT = 1.200JE+06(J/KG) STEP = 0.0000(CM)
RE/METER= 3.6367E+0b
MACH = 5.10
QS = 1.311bE+05(N/M2)
MAH/HT =0.987 FOR HT
MAH/HT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	3.637E+06
1	66.62	-12.70	0.00	2.03	8.77E+03	1.193E-02	1.132E-02	1.092	1.092E-02	2.5344E-04	2.4651E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	8.37E+03	1.139E-02	1.081E-02	1.065	1.070E-02	2.4212E-04	2.2975E-04	DIAEUP	
3	68.94	-12.70	0.00	2.03	5.62E+03	7.644E-03	7.254E-03	.725	1.054E-02	1.6244E-04	1.5414E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	1.56E+03	2.117E-03	2.009E-03	.201	1.052E-02	4.4995E-05	4.2701E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	9.12E+01	1.237E-04	1.174E-04	.012	1.052E-02	2.6296E-06	2.4956E-06	DIAEUP	
6	69.19	-12.70	1.02										
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	4.12E+03	5.588E-03	5.303E-03	.533	1.048E-02	1.1875E-04	1.1270E-04	DIAEDN	
14	69.77	-12.70	.04	2.03	6.33E+03	8.607E-03	8.168E-03	.822	1.047E-02	1.8290E-04	1.7357E-04	DIAEDN	
15	69.95	-12.70	0.00	2.03	8.59E+03	1.169E-02	1.109E-02	1.118	1.045E-02	2.4833E-04	2.3565E-04	DIAEDN	
16	70.46	-12.70	0.00	2.03	1.00E+04	1.362E-02	1.292E-02	1.305	1.043E-02	2.8940E-04	2.7462E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	9.74E+03	1.327E-02	1.259E-02	1.274	1.041E-02	2.8198E-04	2.6757E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	8.84E+03	1.205E-02	1.143E-02	1.163	1.036E-02	2.5605E-04	2.4296E-04	DIAEDN	
19	74.78	-12.70	0.00	2.03	7.79E+03	1.056E-02	1.002E-02	1.029	1.026E-02	2.2433E-04	2.1286E-04	DIAEDN	
20	77.32	-12.70	0.00	2.03	8.34E+03	1.135E-02	1.077E-02	1.117	1.016E-02	2.4117E-04	2.2886E-04	DIAEDN	
												RE/M=	3.567E+06
61	87.45	.35	0.00	2.03	7.34E+03	9.810E-03	9.311E-03	.888	1.104E-02	2.1027E-04	1.9958E-04	DIACUP	
62	89.49	.45	0.00	2.03	7.57E+03	1.014E-02	9.621E-03	.883	1.148E-02	2.1728E-04	2.0622E-04	DIACUP	
63	91.03	.45	2.03	2.03	2.46E+01	3.298E-05	3.131E-05	.003	1.198E-02	7.0650E-07	6.7115E-07	DIACGT	
64	91.55	.35	1.52	2.03	7.40E+01	9.904E-05	9.460E-05	.008	1.204E-02	2.1357E-06	2.0276E-06	DIACDN	
65	91.55	.35	1.02	2.03	2.77E+02	3.684E-04	3.498E-04	.031	1.204E-02	7.8970E-06	7.4971E-06	DIACDN	
66	91.55	.35	.76	2.03	5.60E+02	7.471E-04	7.092E-04	.062	1.204E-02	1.6014E-05	1.5202E-05	DIACDN	
67	91.55	.45	.51	2.03	1.15E+03	1.534E-03	1.457E-03	.127	1.204E-02	3.2888E-05	3.1220E-05	DIACDN	
68	91.55	.35	.25	2.03	4.53E+03	6.044E-03	5.737E-03	.502	1.204E-02	1.2954E-04	1.2297E-04	DIACDN	
69	91.59	.35	.04										
70	91.91	.35	0.00	2.03	6.74E+03	9.007E-03	8.550E-03	.743	1.213E-02	1.9307E-04	1.8326E-04	DIACDN	
71	92.31	.35	0.00	2.03	7.41E+03	9.923E-03	9.418E-03	.806	1.231E-02	2.1269E-04	2.0187E-04	DIACDN	
72	92.82	.35	0.00	2.03	7.11E+03	9.515E-03	9.031E-03	.762	1.249E-02	2.0394E-04	1.9357E-04	DIACDN	
73	94.39	.35	0.00	2.03	7.82E+03	1.047E-02	9.934E-03	.808	1.295E-02	2.2434E-04	2.1293E-04	DIACDN	
74	96.53	.35	0.00										
75	99.17	.35	0.00	2.03	8.27E+03	1.106E-02	1.050E-02	.716	1.544E-02	2.3764E-04	2.2499E-04	DIACDN	
76	90.23	2.35	.76	2.03	1.60E+02	2.138E-04	2.029E-04	.018	1.177E-02	4.5819E-06	4.3498E-06	DIAEDN	
77	90.23	2.35	.51	2.03	7.40E+02	9.946E-04	9.442E-04	.084	1.177E-02	2.1319E-05	2.0239E-05	DIAEDN	
78	90.23	2.35	.25	2.03	2.82E+03	3.763E-03	3.572E-03	.320	1.177E-02	8.0654E-05	7.6562E-05	DIAEDN	
79	90.27	2.35	.04	2.03	3.84E+03	5.191E-03	4.927E-03	.440	1.179E-02	1.1127E-04	1.0562E-04	DIAEDN	
80	90.48	2.35	0.00	2.03	5.49E+03	7.333E-03	6.961E-03	.618	1.187E-02	1.5719E-04	1.4920E-04	DIAEDN	
81	90.99	2.35	0.00	2.03	7.10E+03	9.508E-03	9.024E-03	.789	1.206E-02	2.0379E-04	1.9343E-04	DIAEDN	
82	91.50	2.35	0.00	2.03	6.88E+03	9.208E-03	8.740E-03	.752	1.224E-02	1.9737E-04	1.8733E-04	DIAEDN	
83	92.77	2.35	0.00	2.03	7.43E+03	9.945E-03	9.438E-03	.782	1.272E-02	2.1316E-04	2.0231E-04	DIAEDN	
84	95.31	2.35	0.00	2.03	8.00E+03	1.071E-02	1.016E-02	.782	1.370E-02	2.2956E-04	2.1787E-04	DIAEDN	
85	97.85	2.35	0.00	2.03	8.42E+03	1.126E-02	1.069E-02	.751	1.501E-02	2.4144E-04	2.2917E-04	DIAEDN	
86	92.87	-2.22	.76	2.03	1.02E+02	1.354E-04	1.285E-04	.011	1.238E-02	2.9021E-06	2.7550E-06	DIAEDN	
87	92.47	-2.22	.51	2.03	6.37E+02	8.498E-04	8.067E-04	.069	1.238E-02	1.8215E-05	1.7291E-05	DIAEDN	
88	92.87	-2.22	.25	2.03	2.98E+03	3.984E-03	3.782E-03	.324	1.238E-02	8.5486E-05	8.1178E-05	DIAEDN	
89	92.91	-2.22	.04	2.03	5.00E+03	6.683E-03	6.343E-03	.543	1.231E-02	1.4325E-04	1.3597E-04	DIAEDN	

PAGE 76

AMES 3.5 FT WIND TUNNEL TEST(158), C. OLUMER RSI TILE GAPS RUN(40) 1973

RE/M= 3.439E+06

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPU (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
90	93.12	-2.22	0.00	2.03	6.54E+03	8.747E-03	8.302E-03	.706	1.238E-02	1.8748E-04	1.7795E-04	DIAEDN
91	93.63	-2.22	0.30	2.03	7.54E+03	1.009E-02	9.575E-03	.803	1.256E-02	2.1622E-04	2.0523E-04	DIAEDN
92	94.14	-2.22	0.00	2.03	7.10E+03	9.501E-03	9.017E-03	.746	1.273E-02	2.0364E-04	1.9329E-04	DIAEDN
93	95.41	-2.22	0.08	2.03	7.92E+03	1.059E-02	1.005E-02	.800	1.324E-02	2.2695E-04	2.1542E-04	DIAEDN
94	97.95	-2.22	0.00	2.03	7.98E+03	1.067E-02	1.013E-02	.734	1.455E-02	2.2876E-04	2.1712E-04	DIAEDN
95	100.49	-2.22	0.00	2.03	9.06E+03	1.211E-02	1.150E-02	.762	1.590E-02	2.5966E-04	2.4645E-04	DIAEDN
41	79.17	12.70	0.00	2.03	7.91E+03	1.023E-02	9.717E-03	.946	1.082E-02	2.2297E-04	2.1173E-04	DIAEUP
42	81.71	12.70	0.00	2.03	7.54E+03	9.761E-03	9.269E-03	.878	1.112E-02	2.1271E-04	2.0198E-04	DIAEUP
43	83.71	12.70	0.00	2.03	6.56E+03	8.495E-03	8.067E-03	.743	1.143E-02	1.8512E-04	1.7579E-04	DIAEUP
44	83.96	12.70	.25	2.03	2.15E+03	2.775E-03	2.635E-03	.242	1.148E-02	6.0476E-05	5.7426E-05	DIAEUP
45	83.96	12.79	.51	2.03	5.05E+02	6.526E-04	6.198E-04	.057	1.148E-02	1.4222E-05	1.3596E-05	DIAEUP
46	83.96	12.70	1.02	2.03	2.47E+01	3.192E-05	3.032E-05	.003	1.148E-02	6.9563E-07	6.6060E-07	DIAEUP
47	83.96	12.70	1.52									
48	84.11	12.70	2.03									
49	84.25	12.70	1.52							1.2733E-06	1.2894E-06	DIAEDN
50	84.25	12.70	1.02	2.03	4.54E+01	5.843E-05	5.550E-05	.005	1.152E-02	8.7954E-06	8.3540E-06	DIAEDN
51	84.25	12.70	.76	2.03	3.13E+02	4.036E-04	3.834E-04	.035	1.152E-02	2.6084E-05	2.5533E-05	DIAEDN
52	84.25	12.70	.51	2.03	4.56E+02	1.234E-03	1.172E-03	.107	1.152E-02	1.4477E-04	1.3748E-04	DIAEDN
53	84.25	12.70	.25	2.03	5.14E+03	6.643E-03	6.309E-03	.577	1.152E-02	2.2134E-04	2.1019E-04	DIAEDN
54	84.29	12.70	.04	2.03	7.85E+03	1.016E-02	9.646E-03	.881	1.153E-02	2.7178E-04	2.5808E-04	DIAEDN
55	84.51	12.70	0.00	2.03	9.64E+03	1.247E-02	1.184E-02	1.079	1.156E-02	3.0315E-04	2.8786E-04	DIAEDN
56	85.02	12.70	0.00	2.03	1.07E+04	1.391E-02	1.321E-02	1.195	1.164E-02	2.7808E-04	2.6404E-04	DIAEDN
57	85.52	12.70	0.30	2.03	9.84E+03	1.276E-02	1.212E-02	1.088	1.173E-02	2.6774E-04	2.5423E-04	DIAEDN
58	86.79	12.70	0.00	2.03	9.48E+03	1.229E-02	1.167E-02	1.030	1.193E-02	2.7131E-04	2.5762E-04	DIAEDN
59	89.33	12.70	0.00	2.03	9.61E+03	1.245E-02	1.182E-02	1.009	1.233E-02	2.8748E-04	2.7299E-04	DIAEDN
60	91.87	12.70	0.00	2.03	1.02E+04	1.319E-02	1.253E-02	1.000	1.360E-02			

AMES 3.5 FT WIND TUNNEL TEST,158), C. BLUMER RSI TILE GAPS RUN(49) 1973 PAGE 77

TT = 1.1317E+03(K) CONF= 5.10
PT = 1.5299E+06(N/M2) GAP = .254 CM
HT = 1.1974E+06(J/KG) STEP = 0.000(CM)
RE/METER= 4.7511E+06
MACH = 5.10
QS = 1.4891E+05(N/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.874 FOR HL

P/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.751E+06
1	64.62	-12.70	0.00	2.03	1.04E+04	1.417E-02	1.344E-02	1.166	1.215E-02	2.3896E-04	2.1988E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	9.98E+03	1.367E-02	1.297E-02	1.158	1.188E-02	2.2278E-04	2.1136E-04	DIAEUP	
3	68.96	-12.70	0.00	2.03	8.76E+03	9.250E-03	8.777E-03	.791	1.178E-02	1.5874E-04	1.4382E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	2.85E+03	2.884E-03	2.668E-03	.248	1.167E-02	4.5687E-05	4.3351E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	1.39E+02	1.897E-04	1.808E-04	.016	1.167E-02	3.0986E-06	2.9328E-06	DIAEUP	
6	69.19	-12.70	1.02										
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	5.34E+03	7.284E-03	6.912E-03	.627	1.162E-02	1.1069E-04	1.1263E-04	DIAEDN	
14	69.77	-12.70	.06	2.03	7.92E+03	1.082E-02	1.027E-02	.932	1.161E-02	1.7633E-04	1.6731E-04	DIAEDN	
15	69.95	-12.70	0.00	2.03	1.03E+04	1.408E-02	1.412E-02	1.284	1.159E-02	2.4253E-04	2.3011E-04	DIAEDN	
16	70.45	-12.70	0.30	2.03	1.23E+04	1.760E-02	1.676E-02	1.516	1.161E-02	2.8686E-04	2.7216E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	1.24E+04	1.697E-02	1.610E-02	1.458	1.164E-02	2.7660E-04	2.6241E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	1.12E+04	1.538E-02	1.459E-02	1.314	1.171E-02	2.5066E-04	2.3788E-04	DIAEDN	
19	74.78	-12.70	0.00	2.03	9.96E+03	1.363E-02	1.293E-02	1.151	1.184E-02	2.2204E-04	2.1866E-04	DIAEDN	
20	77.32	-12.70	0.00	2.03	1.12E+04	1.536E-02	1.457E-02	1.282	1.198E-02	2.5022E-04	2.3741E-04	DIAEDN	
													RE/M= 4.532E+06
61	87.45	.06	0.00	2.03	1.08E+04	1.410E-02	1.339E-02	.968	1.456E-02	2.3466E-04	2.2278E-04	DIACUP	
62	89.99	.06	0.00	2.03	1.10E+04	1.497E-02	1.421E-02	.966	1.549E-02	2.4988E-04	2.3647E-04	DIACUP	
63	91.40	.06	2.03	2.03	7.00E+01	9.113E-05	8.654E-05	.006	1.635E-02	1.5168E-06	1.4484E-06	DIACGT	
64	91.55	.06	1.52	2.03	2.03E+02	2.642E-04	2.509E-04	.016	1.644E-02	4.3973E-06	4.1768E-06	DIACON	
65	91.55	.06	1.02	2.03	6.28E+02	8.184E-04	7.771E-04	.050	1.644E-02	1.3621E-05	1.2934E-05	DIACON	
66	91.55	.06	.76	2.03	1.10E+03	1.430E-03	1.358E-03	.087	1.644E-02	2.3798E-05	2.2598E-05	DIACON	
67	91.55	.06	.51	2.03	1.95E+03	2.567E-03	2.457E-03	.157	1.644E-02	4.3866E-05	4.0886E-05	DIACON	
68	91.55	.06	.25	2.03	7.63E+03	9.972E-03	9.468E-03	.607	1.644E-02	1.6598E-04	1.5759E-04	DIACON	
69	91.59	.06	.06										
70	91.81	.06	0.00	2.03	1.21E+04	1.581E-02	1.501E-02	.953	1.659E-02	2.6316E-04	2.4985E-04	DIACON	
71	92.31	.06	0.00	2.03	1.30E+04	1.702E-02	1.616E-02	1.087	1.690E-02	2.8327E-04	2.6892E-04	DIACON	
72	92.82	.06	0.00	2.03	1.31E+04	1.717E-02	1.630E-02	.998	1.728E-02	2.8575E-04	2.7127E-04	DIACON	
73	94.09	.06	0.00	2.03	1.37E+04	1.795E-02	1.704E-02	.999	1.797E-02	2.9875E-04	2.8361E-04	DIACON	
74	96.63	.06	0.00										
75	99.17	.06	0.00	2.03	1.76E+04	2.336E-02	2.217E-02	1.063	2.197E-02	3.8872E-04	3.6985E-04	DIACON	
76	90.23	2.35	.76	2.03	2.40E+02	3.656E-04	3.471E-04	.023	1.602E-02	6.0843E-06	5.7776E-06	DIAEDN	
77	90.23	2.35	.51	2.03	1.19E+03	1.553E-03	1.475E-03	.097	1.602E-02	2.5846E-05	2.4562E-05	DIAEDN	
78	90.23	2.35	.25	2.03	4.53E+03	5.916E-03	5.615E-03	.369	1.602E-02	9.8430E-05	9.3468E-05	DIAEDN	
79	90.27	2.35	.06	2.03	8.36E+03	8.342E-03	7.920E-03	.520	1.605E-02	1.3884E-04	1.3182E-04	DIAEDN	
80	90.48	2.35	0.00	2.03	8.90E+03	1.165E-02	1.106E-02	.720	1.618E-02	1.9386E-04	1.8405E-04	DIAEDN	
81	90.99	2.35	0.00	2.03	1.14E+04	1.493E-02	1.417E-02	.985	1.650E-02	2.4858E-04	2.3591E-04	DIAEDN	
82	91.50	2.35	0.00	2.03	1.18E+04	1.447E-02	1.373E-02	.868	1.681E-02	2.4076E-04	2.2856E-04	DIAEDN	
83	92.77	2.35	0.00	2.03	1.24E+04	1.632E-02	1.550E-02	.928	1.760E-02	2.7178E-04	2.5793E-04	DIAEDN	
84	95.31	2.35	0.00	2.03	1.42E+04	1.858E-02	1.764E-02	.966	1.926E-02	3.0922E-04	2.9355E-04	DIAEDN	
85	97.85	2.35	0.00	2.03	1.62E+04	2.123E-02	2.015E-02	.996	2.130E-02	3.5327E-04	3.3539E-04	DIAEDN	
86	92.97	-2.22	.76	2.03	3.44E+02	4.493E-04	4.267E-04	.027	1.683E-02	7.4708E-06	7.1017E-06	DIAEDN	
87	92.97	-2.22	.51	2.03	1.13E+03	1.488E-03	1.406E-03	.088	1.683E-02	2.4637E-05	2.3393E-05	DIAEDN	
88	92.97	-2.22	.25	2.03	4.89E+03	6.399E-03	6.076E-03	.380	1.683E-02	1.0651E-04	1.0113E-04	DIAEDN	
89	92.91	-2.22	.06	2.03	8.38E+03	1.098E-02	1.042E-02	.651	1.686E-02	1.8268E-04	1.7344E-04	DIAEDN	

AMES 3.5 FT WIND TUNNEL TEST(1508). G. BLUMER RSI TILE GAPS RUN(49) 1973

P/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.353E+06
90	93.12	-2.22	0.00	2.03	1.07E+04	1.405E-02	1.333E-02	.827	1.698E-02	2.3377E-04	2.2194E-04	DIAEDN	
91	93.03	-2.22	0.00	2.03	1.22E+04	1.601E-02	1.520E-02	.926	1.728E-02	2.6641E-04	2.5292E-04	DIAEDN	
92	94.14	-2.22	0.00	2.03	1.15E+04	1.505E-02	1.429E-02	.856	1.757E-02	2.5051E-04	2.3782E-04	DIAEDN	
93	95.41	-2.22	0.00	2.03	1.32E+04	1.727E-02	1.639E-02	.938	1.842E-02	2.8742E-04	2.7280E-04	DIAEDN	
94	97.95	-2.22	0.00	2.03	1.42E+04	1.865E-02	1.771E-02	.908	2.054E-02	3.1042E-04	2.9470E-04	DIAEDN	
95	100.49	-2.22	0.00	2.03	1.85E+04	2.419E-02	2.297E-02	1.064	2.273E-02	4.0263E-04	3.8225E-04	DIAEDN	
													RE/M= 4.353E+06
41	79.17	12.70	0.00	2.03	1.09E+04	1.383E-02	1.313E-02	1.022	1.353E-02	2.3439E-04	2.2204E-04	DIAEUP	
42	81.71	12.70	0.00	2.03	1.11E+04	1.407E-02	1.336E-02	.986	1.427E-02	2.3854E-04	2.2597E-04	DIAEUP	
43	83.71	12.70	0.00	2.03	1.01E+04	1.279E-02	1.215E-02	.853	1.500E-02	2.1684E-04	2.0597E-04	DIAEUP	
44	83.90	12.70	.25	2.03	3.39E+03	4.282E-03	4.067E-03	.284	1.510E-02	7.2580E-05	6.8952E-05	DIAEUP	
45	83.96	12.70	.51	2.03	7.98E+02	1.006E-03	9.560E-04	.067	1.510E-02	1.7060E-05	1.6207E-05	DIAEUP	
46	83.96	12.70	1.02	2.03	3.92E+01	4.938E-05	4.692E-05	.003	1.510E-02	8.3714E-07	7.9533E-07	C	
47	83.96	12.70	1.52										
48	84.11	12.70	2.03										
49	84.25	12.70	1.52							1.6783E-06	1.5946E-06	DIAEDN	
50	84.25	12.70	1.02	2.03	7.69E+01	9.900E-05	9.406E-05	.807	1.520E-02	9.2054E-06	8.7462E-06	DIAEDN	
51	84.25	12.70	.76	2.03	4.32E+02	5.430E-04	5.159E-04	.830	1.520E-02	3.1302E-05	2.9739E-05	DIAEDN	
52	84.25	12.70	.51	2.03	1.47E+03	1.846E-03	1.754E-03	.121	1.520E-02	1.7550E-04	1.6672E-04	DIAEDN	
53	84.25	12.70	.25	2.03	8.21E+03	1.035E-02	9.834E-03	.681	1.520E-02	2.6686E-04	2.5273E-04	DIAEDN	
54	84.29	12.70	.04	2.03	1.24E+04	1.569E-02	1.491E-02	1.031	1.522E-02	3.2877E-04	3.1229E-04	DIAEDN	
55	84.51	12.70	0.30	2.03	1.54E+04	1.939E-02	1.842E-02	1.266	1.538E-02	3.6580E-04	3.4744E-04	DIAEDN	
56	84.25	12.70	0.00	2.03	1.71E+04	2.158E-02	2.049E-02	1.393	1.548E-02	3.9338E-04	3.2632E-04	DIAEDN	
51	84.25	12.70	0.00	2.03	1.60E+04	2.027E-02	1.925E-02	1.293	1.567E-02	3.7242E-04	3.2040E-04	DIAEDN	
52	84.25	12.70	0.00	2.03	1.57E+04	1.990E-02	1.890E-02	1.233	1.614E-02	3.7306E-04	3.5510E-04	DIAEDN	
53	84.29	12.70	0.00	2.03	1.74E+04	2.205E-02	2.095E-02	1.292	1.787E-02	4.0920E-04	3.8076E-04	DIAEDN	
54	84.33	12.70	0.00	2.03	1.91E+04	2.414E-02	2.293E-02	1.317	1.834E-02				
68	91.87	12.70	0.00	2.03									

AMES 3.5 FT WIND TUNNEL TEST 1508, G. BLUMER RSI TILE GAPS RUN# 501 1973 PAGE 79

TT = 1.0331E+03(K)
PT = 4.6429E+05(N/M2)
HT = 1.0809E+06(J/KG)
RE/METER= 1.0697E+06
MACH = 5.10
QS = 7.1369E+04(N/M2)
HAW/HT =0.367 FOR HT
HAW/HT =0.874 FOR ML

CONF= 5.20
GAP = .254 CM
STEP = 0.0000(CM)

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 1.688E+06
1	64.62	-12.70	0.00	2.03	4.34E+04	7.81E-03	7.40E-03	.911	8.57E-03	3.9179E-04	3.7007E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	4.65E+03	7.37E-03	6.97E-03	.885	8.32E-03	3.6966E-04	3.4971E-04	DIAEUP	
3	68.94	-12.70	0.00	2.03	3.29E+03	5.20E-03	4.92E-03	.639	8.15E-03	2.6098E-04	2.4704E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	1.01E+03	1.60E-03	1.51E-03	.197	8.12E-03	8.0265E-05	7.5900E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	7.97E+01	1.26E-04	1.19E-04	.016	8.12E-03	6.3101E-06	5.9810E-06	DIAEUP	
6	69.19	-12.70	1.02	2.03	2.15E+00	3.40E-06	3.22E-06	.000	8.12E-03	1.7075E-07	1.6156E-07	DIAEUP	
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	2.11E+03	3.34E-03	3.16E-03	.414	8.07BE-03	1.6754E-04	1.5859E-04	DIAEDN	
14	69.77	-12.70	.04	2.03	3.82E+03	5.73E-03	5.43E-03	.711	8.07BE-03	2.8740E-04	2.7213E-04	DIAEDN	
15	69.92	-12.70	0.00	2.03	4.84E+03	7.67E-03	7.26E-03	.953	8.05ZE-03	3.8660E-04	3.6605E-04	DIAEDN	
16	70.46	-12.70	0.00	2.03	5.34E+03	8.46E-03	8.01TE-03	1.05%	8.032E-03	4.2443E-04	4.0175E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	5.23E+03	8.28E-03	7.84E-03	1.03%	8.015E-03	4.1527E-04	3.9307E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	4.78E+03	7.57E-03	7.17E-03	.951	7.973E-03	3.7977E-04	3.5947E-04	DIAEDN	
19	74.79	-12.70	0.00	2.03	4.19E+03	6.95ZE-03	6.58OE-03	.801	7.807E-03	3.4837E-04	3.2976E-04	DIAEDN	
20	77.34	-12.70	0.00	2.03	4.57E+03	7.23E-03	6.85ZE-03	.928	7.802E-03	3.6274E-04	3.4348E-04	DIAEDN	
21	93.84	-12.70	0.00	2.03	4.35E+03	6.41OE-03	6.06BE-03	.896	7.157E-03	3.2123E-04	3.0409E-04	DIAEUP	
22	96.39	-12.70	0.00	2.03	4.03E+03	6.38IE-03	6.04IE-03	.900	7.087E-03	3.1986E-04	3.0272E-04	DIAEUP	
23	96.67	-12.70	0.00	2.03	2.33E+03	4.64TE-03	4.39%E-03	.656	7.065E-03	2.3289E-04	2.2046E-04	DIAEUP	
24	96.63	-12.70	.25	2.03	8.24E+02	1.30%E-03	1.23%E-03	.185	7.060E-03	6.5367E-05	6.1878E-05	DIAEUP	
25	99.03	-12.70	.51	2.03	1.01E+01	2.55%E-05	2.41TE-05	.004	7.060E-03	1.2794E-06	1.2112E-06	DIAEUP	
26	93.63	-12.70	1.02										
27	98.03	-12.70	1.52										
28	98.77	-12.70	2.03										
29	98.92	-12.70	1.52										
30	98.92	-12.70	1.02										
31	98.92	-12.70	.76										
32	98.92	-12.70	.51	2.03	3.03E+02	4.79%E-04	4.53TE-04	.068	7.056E-03	2.4017E-05	2.2736E-05	DIALDN	
33	99.32	-12.70	.25	2.03	2.30E+03	3.30E-03	3.12%E-03	.468	7.056E-03	1.6537E-04	1.5655E-04	DIALDN	
34	99.90	-12.70	.04	2.03	2.75E+03	4.34%E-03	4.11%E-03	.616	7.056E-03	2.1781E-04	2.0618E-04	DIAEDN	
35	99.7	-12.70	0.00	2.03	3.92E+03	6.27BE-03	5.94%E-03	.890	7.053E-03	3.1463E-04	2.9793E-04	DIAEDN	
36	99.49	-12.70	0.00	2.03	4.23E+03	6.65%E-03	6.30ZE-03	.945	7.047E-03	3.3362E-04	3.1588E-04	DIAEDN	
37	100.19	-12.70	0.00	2.03	4.10E+03	6.48%E-03	6.14OE-03	.924	7.018E-03	3.2589E-04	3.0773E-04	DIAEDN	
38	101.46	-12.70	0.00	2.03	3.80E+03	6.14%E-03	5.81SE-03	.867	7.083E-04	3.0783E-04	2.9139E-04	DIAEDN	
39	104.00	-12.70	0.00	2.03	3.44E+03	5.41%E-03	5.12%E-03	.831	6.511E-03	2.7125E-04	2.5678E-04	DIAEDN	
40	105.52	-12.70	0.00										
													RE/M= 1.64E+06
61	87.45	.00	0.00	2.03	3.79E+03	5.79%E-03	5.49OE-03	.809	7.166E-03	2.9386E-04	2.7828E-04	DIACUP	
62	89.99	.00	0.00	2.03	3.66E+03	5.65BE-03	5.35BE-03	.796	7.107E-03	2.8669E-04	2.7140E-04	DIACUP	
63	91.43	.00	2.03										
64	91.55	.00	1.52										
65	91.55	.00	1.02	2.03	1.11E+02	1.71%E-04	1.62SE-04	.024	7.038E-03	8.6972E-06	8.2378E-06	DIACDN	
66	91.55	.00	.76	2.03	2.53E+02	3.99%E-04	3.78OE-04	.057	7.038E-03	2.0265E-05	1.9193E-05	DIACDN	
67	91.55	.00	.51	2.03	5.37E+02	8.29%E-04	7.85SE-04	.119	7.039E-03	4.2043E-05	3.9816E-05	DIACDN	
68	91.55	.00	.25	2.03	2.28E+03	3.39%E-03	3.21%E-03	.482	7.038E-03	1.7205E-04	1.6293E-04	DIACDN	

T/C												
C	91.59	.06	.04									
70	91.81	.06	0.00	2.03	3.47E+03	5.368E-03	5.083E-03	.764	7.027E-03	2.7207E-04	2.5764E-04	DIACON
71	92.31	.06	0.00	2.03	3.71E+03	5.733E-03	5.429E-03	.819	7.004E-03	2.9859E-04	2.7518E-04	DIACON
72	92.82	.06	0.00	2.03	3.62E+03	5.590E-03	5.293E-03	.801	6.981E-03	2.8334E-04	2.6831E-04	DIACON
73	94.89	.06	0.00	2.03	3.70E+03	5.722E-03	5.419E-03	.820	6.925E-03	2.9804E-04	2.7467E-04	DIACON
74	96.63	.06	0.00									
75	99.17	.06	0.00	2.03	3.38E+03	5.227E-03	4.949E-03	.764	6.841E-03	2.6493E-04	2.5087E-04	DIACON
76	98.23	2.35	.76	2.03	5.49E+01	8.458E-05	8.010E-05	.812	7.119E-03	4.2872E-06	4.0603E-06	DIAEON
77	98.23	2.35	.51	2.03	3.10E+02	4.873E-04	4.615E-04	.868	7.119E-03	2.4782E-05	2.3394E-05	DIAEON

AMES 3.5 FT WIND TUNNEL TEST(158). G. BLUMER RSI TILE GAPS RUN(58) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
78	96.23	2.35	.25	2.03	1.40E+03	2.158E-03	2.044E-03	.303	7.119E-03	1.0941E-04	1.0361E-04	DIAEON
79	98.27	2.35	.04	2.03	2.10E+03	3.239E-03	3.067E-03	.455	7.117E-03	1.6418E-04	1.5548E-04	DIAEON
80	98.68	2.35	0.00	2.03	3.02E+03	4.666E-03	4.419E-03	.656	7.108E-03	2.3652E-04	2.2399E-04	DIAEON
81	98.99	2.35	0.00	2.03	3.59E+03	5.470E-03	5.187E-03	.773	7.086E-03	2.7766E-04	2.6294E-04	DIAEON
82	91.58	2.35	0.00	2.03	3.44E+03	5.320E-03	5.038E-03	.753	7.063E-03	2.6968E-04	2.5538E-04	DIAEON
83	92.77	2.35	0.00	2.03	3.54E+03	5.470E-03	5.180E-03	.781	7.007E-03	2.7724E-04	2.6254E-04	DIAEON
84	95.31	2.35	0.00	2.03	3.60E+03	5.560E-03	5.265E-03	.805	6.906E-03	2.8181E-04	2.6686E-04	DIAEON
85	97.85	2.35	0.00	2.03	3.41E+03	5.256E-03	4.977E-03	.765	6.875E-03	2.6640E-04	2.5229E-04	DIAEON
86	92.87	-2.22	.76	2.03	9.17E+01	1.414E-04	1.339E-04	.020	6.372E-03	7.1648E-06	6.7859E-06	DIAEON
87	92.87	-2.22	.51	2.03	3.53E+02	5.441E-04	5.153E-04	.878	6.972E-03	2.7578E-05	2.6119E-05	DIAEON
88	92.87	-2.22	.25	2.03	1.62E+03	2.494E-03	2.362E-03	.358	6.972E-03	1.2644E-04	1.1975E-04	DIAEON
89	92.91	-2.22	.04	2.03	2.74E+03	4.224E-03	4.001E-03	.606	6.970E-03	2.1412E-04	2.0278E-04	DIAEON
90	93.12	-2.22	0.00	2.03	3.59E+03	5.541E-03	5.248E-03	.796	6.961E-03	2.8086E-04	2.6598E-04	DIAEON
91	93.63	-2.22	0.00	2.03	4.06E+03	6.263E-03	5.856E-03	.891	6.938E-03	3.1342E-04	2.9681E-04	DIAEON
92	94.14	-2.22	0.00	2.03	3.78E+03	5.812E-03	5.409E-03	.826	6.915E-03	2.8952E-04	2.7416E-04	DIAEON
93	95.41	-2.22	0.00	2.03	3.79E+03	5.863E-03	5.552E-03	.853	6.872E-03	2.9716E-04	2.8140E-04	DIAEON
94	97.95	-2.22	0.00	2.03	3.57E+03	5.510E-03	5.218E-03	.805	6.849E-03	2.7930E-04	2.6449E-04	DIAEON
95	180.49	-2.22	0.00	2.03	3.83E+03	5.926E-03	5.611E-03	.872	6.794E-03	3.0035E-04	2.8442E-04	DIAEON

AMES 3.5 FT WIND TUNNEL TEST(1581), C. BLUMER RSI TILE GAPS RUN(51) 1973 PAGE 81

TT = 1.0698E+03(K) CONF= 5.20
PT = 9.2339E+05(N/M2) GAP = .254 CM
HT = 1.1252E+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.8147E+06
MACH = 5.10
QS = 1.0029E+05(W/M2)
MAN/HT =0.967 FOR HT
MAN/HT =0.874 FOR NL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.815E+06
1	64.62	-12.70	0.00	2.03	6.34E+03	9.484E-03	8.986E-03	.969	9.789E-03	2.7525E-04	2.6878E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	6.14E+03	9.288E-03	8.723E-03	.944	9.549E-03	2.6723E-04	2.5315E-04	DIAEUP	
3	68.94	-12.70	0.00	2.03	4.27E+03	6.488E-03	6.063E-03	.602	9.382E-03	1.0574E-04	1.7597E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	1.22E+03	1.838E-03	1.734E-03	.196	9.359E-03	5.3123E-05	5.8329E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	5.45E+01	8.147E-05	7.719E-05	.089	9.359E-03	2.3644E-06	2.2481E-06	DIAEUP	
6	69.19	-12.70	1.02										
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	2.92E+03	4.371E-03	4.141E-03	.469	9.311E-03	1.2604E-04	1.2817E-04	DIAEDN	
14	69.77	-12.70	.04	2.03	4.97E+03	7.294E-03	6.910E-03	.784	9.304E-03	2.1169E-04	2.0856E-04	DIAEDN	
15	69.85	-12.70	0.00	2.03	6.42E+03	9.638E-03	9.123E-03	1.037	9.287E-03	2.7798E-04	2.6476E-04	DIAEDN	
16	70.46	-12.70	0.00	2.03	7.41E+03	1.111E-02	1.053E-02	1.200	9.260E-03	3.2249E-04	3.0569E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	7.23E+03	1.085E-02	1.028E-02	1.175	9.236E-03	3.1493E-04	2.9833E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	6.64E+03	9.964E-03	9.439E-03	1.086	9.175E-03	2.8917E-04	2.7392E-04	DIAEDN	
19	74.78	-12.70	0.00	2.03	5.90E+03	8.964E-03	8.492E-03	.998	9.054E-03	2.6015E-04	2.4665E-04	DIAEDN	
20	77.32	-12.70	0.00	2.03	6.23E+03	9.434E-03	8.943E-03	1.045	8.933E-03	2.7888E-04	2.5663E-04	DIAEDN	
21	93.84	-12.70	0.00	2.03	6.37E+03	9.523E-03	9.023E-03	1.010	9.375E-03	2.7638E-04	2.6186E-04	DIAEUP	
22	96.38	-12.70	0.00	2.03	6.70E+03	1.012E-02	9.589E-03	1.043	9.704E-03	2.9374E-04	2.7829E-04	DIAEUP	
23	98.37	-12.70	0.00	2.03	5.29E+03	7.922E-03	7.585E-03	.788	1.005E-02	2.2996E-04	2.1701E-04	DIAEUP	
24	98.53	-12.70	.25	2.03	1.43E+03	2.132E-03	2.020E-03	.211	1.010E-02	6.1802E-05	5.8631E-05	DIAEUP	
25	98.53	-12.70	.51										
26	98.53	-12.70	1.02	2.03	3.22E+00	4.803E-06	4.551E-06	.000	1.010E-02	1.3946E-07	1.3209E-07	DIAEUP	
27	98.63	-12.70	1.52										
28	98.77	-12.70	2.03										
29	98.92	-12.70	1.52										
30	98.92	-12.70	1.02										
31	98.92	-12.70	.76	2.03	6.46E+01	9.645E-05	9.139E-05	.010	1.015E-02	2.7993E-06	2.6524E-06	DIAEDN	
32	99.42	-12.70	.51	2.03	5.25E+02	7.843E-04	7.432E-04	.077	1.015E-02	2.2762E-05	2.1560E-05	DIAEDN	
33	98.32	-12.70	.25	2.03	3.67E+03	5.491E-03	5.202E-03	.541	1.015E-02	1.5935E-04	1.5098E-04	DIAEDN	
34	98.96	-12.70	.04	2.03	4.90E+03	7.338E-03	6.952E-03	.722	1.016E-02	2.1296E-04	2.0177E-04	DIAEDN	
35	99.17	-12.70	0.00	2.03	7.16E+03	1.072E-02	1.015E-02	1.051	1.020E-02	3.1188E-04	2.9465E-04	DIAEDN	
36	99.68	-12.70	0.00	2.03	7.71E+03	1.155E-02	1.094E-02	1.123	1.028E-02	3.3522E-04	3.1759E-04	DIAEDN	
37	100.19	-12.70	0.00	2.03	7.64E+03	1.145E-02	1.084E-02	1.104	1.037E-02	3.3217E-04	3.1478E-04	DIAEDN	
38	101.46	-12.70	0.00	2.03	7.41E+03	1.110E-02	1.052E-02	1.054	1.054E-02	3.2221E-04	3.0526E-04	DIAEDN	
39	104.00	-12.70	0.00	2.03	7.23E+03	1.083E-02	1.026E-02	.996	1.088E-02	3.1426E-04	2.9773E-04	DIAEDN	
40	105.52	-12.70	0.00										
													RE/M= 2.788E+06
61	87.45	.05	0.00	2.03	5.21E+03	7.530E-03	7.138E-03	.859	8.765E-03	2.2227E-04	2.1070E-04	DIACUP	
62	89.99	.05	0.00	2.03	5.41E+03	7.830E-03	7.422E-03	.888	8.809E-03	2.3114E-04	2.1908E-04	DIACUP	
63	91.40	.05	2.03										
64	91.55	.05	1.52										
65	91.55	.05	1.02	2.03	1.51E+02	2.182E-04	2.069E-04	.024	9.188E-03	6.4412E-06	6.1066E-06	DIACDN	
66	91.55	.05	.76	2.03	4.50E+02	6.495E-04	6.158E-04	.071	9.188E-03	1.9174E-05	1.8177E-05	DIACDN	
67	91.55	.05	.51	2.03	8.88E+02	1.282E-03	1.215E-03	.141	9.188E-03	3.7840E-05	3.5871E-05	DIACDN	
68	91.55	.05	.25	2.03	3.57E+03	5.152E-03	4.884E-03	.566	9.188E-03	1.5208E-04	1.4416E-04	DIACDN	

AMES 3.5 FT WIND TUNNEL TEST(1580). G. BLUMER RSI TILE GAPS RUN(51) 1973

TAC	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	SIL	SIT	GAP-TYPE	
	91.59	.05	.34					.865	9.142E-03	1.0016E-04	9.4996E-05	DIAEDM	
	91.81	.06	0.00	2.03	5.67E+03	7.909E-03	7.436E-03	.907	9.210E-03	1.5399E-04	1.4598E-04	DIAEDM	
	92.31	.06	0.00	2.03	5.78E+03	8.358E-03	7.922E-03	.876	9.279E-03	2.1594E-04	2.0678E-04	DIAEDM	
	92.82	.05	0.00	2.03	5.82E+03	8.131E-03	7.787E-03	.918	9.469E-03	2.3610E-04	2.2379E-04	DIAEDM	
	94.09	.05	0.00	2.03	5.94E+03	8.674E-03	8.221E-03			2.2638E-04	2.1458E-04	DIAEDM	
	96.63	.04	.00					.894	1.032E-02	2.4455E-04	2.2455E-04	DIAEDM	
	98.17	.06	0.00	2.03	6.34E+03	9.246E-03	8.763E-03	.813	9.807E-03	2.3690E-04	2.4275E-04	DIAEDM	
	98.23	.06	0.00	2.03	6.27E+03	1.191E-04	1.130E-04	.807	9.807E-03	2.5610E-04	2.4708E-04	DIAEDM	
	98.23	.06	.76	2.03	5.44E+02	7.837E-04	7.430E-04			2.6148E-04	2.4708E-04	DIAEDM	
	98.23	.04	.51	2.03						7.4821E-06	7.8938E-06	DIAEDM	
										2.6794E-05	2.5402E-05	DIAEDM	
										1.0375E-04	9.8359E-05	DIAEDM	
										1.9869E-04	1.8646E-04	DIAEDM	
										2.4594E-04	2.3267E-04	DIAEDM	
										2.5953E-04	2.4681E-04	DIAEDM	
										2.4017E-04	2.3524E-04	DIAEDM	
										2.5052E-04	2.4585E-04	DIAEDM	
										2.5245E-04	2.3938E-04	DIAEDM	
										2.9508E-04	2.8844E-04	DIAEDM	
	91.59	.05	.34					.865	9.142E-03	2.3346E-04	2.2129E-04	DIAEDM	
	91.81	.06	0.00	2.03	5.67E+03	7.909E-03	7.436E-03	.907	9.210E-03	2.4671E-04	2.3384E-04	DIAEDM	
	92.31	.06	0.00	2.03	5.78E+03	8.358E-03	7.922E-03	.876	9.279E-03	2.4801E-04	2.2749E-04	DIAEDM	
	92.82	.05	0.00	2.03	5.82E+03	8.131E-03	7.787E-03	.918	9.469E-03	2.5604E-04	2.4269E-04	DIAEDM	
	94.09	.05	0.00	2.03	5.94E+03	8.674E-03	8.221E-03			2.7292E-04	2.5869E-04	DIAEDM	
	96.63	.04	.00					.894	1.032E-02	3.5169E-04	3.3362E-04	DIAEDM	
	98.17	.06	0.00	2.03	6.34E+03	9.246E-03	8.763E-03	.813	9.807E-03	2.3134E-04	2.1932E-04	DIAEDM	
	98.23	.06	0.00	2.03	6.27E+01	1.191E-04	1.130E-04	.807	9.807E-03				
	98.23	.04	.76	2.03	5.44E+02	7.837E-04	7.430E-04						
	98.23	.04	.51	2.03									

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(52) 1973 PAGE 83

TT = 1.1244E+03(K) CONF= 5.28
PT = 1.1426E+06(N/M2) GAP = .254 CM
HT = 1.1894E+06(J/KG) STEP = 0.000(CM)
RE/METER= 3.5871E+06
MACH = 5.10
QS = 1.2675E+05(N/M2)
MAW/HT =6.987 FOR HT
MAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 3.587E+06
1	64.62	-12.70	0.03	2.03	7.78E+03	1.081E-02	1.025E-02	.995	1.087E-02	2.3479E-04	2.2266E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	7.63E+03	1.067E-02	1.012E-02	1.002	1.065E-02	2.3178E-04	2.1966E-04	DIAEUP	
3	68.94	-12.70	0.00	2.03	5.30E+03	7.396E-03	7.012E-03	.705	1.049E-02	1.6068E-04	1.5226E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	1.66E+03	2.317E-03	2.197E-03	.221	1.047E-02	5.0307E-05	4.7708E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	8.34E+01	1.162E-04	1.102E-04	.011	1.047E-02	2.5238E-06	2.3924E-06	DIAEUP	
6	69.19	-12.70	1.02										
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	4.11E+03	5.726E-03	5.429E-03	.549	1.043E-02	1.2432E-04	1.1788E-04	DIAEDN	
14	69.77	-12.70	.06	2.03	6.78E+03	8.762E-03	8.307E-03	.841	1.042E-02	1.9025E-04	1.8037E-04	DIAEDN	
15	69.35	-12.70	0.00	2.03	8.27E+03	1.155E-02	1.095E-02	1.111	1.040E-02	2.5088E-04	2.3786E-04	DIAEDN	
16	70.45	-12.70	0.00	2.03	9.75E+03	1.363E-02	1.293E-02	1.314	1.038E-02	2.9662E-04	2.8065E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	9.49E+03	1.327E-02	1.258E-02	1.281	1.036E-02	2.8807E-04	2.7310E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	8.70E+03	1.217E-02	1.154E-02	1.182	1.030E-02	2.6434E-04	2.5060E-04	DIAEDN	
19	74.79	-12.70	0.00	2.03	7.94E+03	1.114E-02	1.056E-02	1.094	1.019E-02	2.4191E-04	2.2936E-04	DIAEDN	
20	77.32	-12.70	0.00	2.03	3.80E+03	1.226E-02	1.163E-02	1.217	1.008E-02	2.6625E-04	2.5246E-04	DIAEDN	
21	93.84	-12.70	0.00	2.03	1.18E+04	1.646E-02	1.560E-02	1.376	1.196E-02	3.5730E-04	3.3883E-04	DIAEUP	
22	96.38	-12.70	0.00	2.03	1.32E+04	1.842E-02	1.746E-02	1.433	1.285E-02	3.7988E-04	3.7916E-04	DIAEUP	
23	98.37	-12.70	0.00	2.03	1.05E+04	1.458E-02	1.383E-02	1.060	1.376E-02	3.1668E-04	3.0029E-04	DIAEUP	
24	98.63	-12.70	.25	2.03	2.58E+03	3.590E-03	3.404E-03	.259	1.388E-02	7.7946E-05	7.3917E-05	DIAEUP	
25	98.63	-12.70	.51										
26	98.63	-12.70	1.02	2.03	3.13E+01	4.305E-05	4.083E-05	.003	1.388E-02	9.3477E-07	8.8656E-07	DIAEUP	
27	98.63	-12.70	1.52										
28	98.77	-12.70	2.03										
29	98.32	-12.70	1.52										
30	98.92	-12.70	1.02										
31	98.92	-12.70	.76	2.03	1.37E+02	1.908E-04	1.810E-04	.014	1.402E-02	4.1428E-06	3.9298E-06	DIAEDN	
32	98.92	-12.70	.51	2.03	9.64E+02	1.319E-03	1.251E-03	.094	1.402E-02	2.8634E-05	2.7157E-05	DIAEDN	
33	98.92	-12.70	.25	2.03	7.92E+03	1.088E-02	1.032E-02	.776	1.402E-02	2.3628E-04	2.2486E-04	DIAEDN	
34	98.96	-12.70	.04	2.03	1.03E+04	1.432E-02	1.358E-02	1.021	1.403E-02	3.1101E-04	2.9492E-04	DIAEDN	
35	99.17	-12.70	0.00	2.03	1.52E+04	2.122E-02	2.012E-02	1.501	1.413E-02	4.6879E-04	4.3695E-04	DIAEDN	
36	99.64	-12.70	0.00	2.03	1.60E+04	2.227E-02	2.112E-02	1.550	1.437E-02	4.8352E-04	4.5849E-04	DIAEDN	
37	100.19	-12.70	0.00	2.03	1.60E+04	2.229E-02	2.114E-02	1.525	1.462E-02	4.8402E-04	4.5897E-04	DIAEDN	
38	101.46	-12.70	0.00	2.03	1.59E+04	2.214E-02	2.099E-02	1.447	1.530E-02	4.8064E-04	4.5576E-04	DIAEDN	
39	104.00	-12.70	0.00	2.03	1.62E+04	2.258E-02	2.133E-02	1.350	1.667E-02	4.8851E-04	4.6523E-04	DIAEDN	
40	105.52	-12.70	0.00										
													RE/M= 3.387E+06
61	87.45	.05	0.00	2.03	7.34E+03	9.744E-03	9.246E-03	.938	1.038E-02	2.1769E-04	2.0599E-04	DIACUP	
62	89.99	.05	0.00	2.03	1.02E+03	1.066E-02	1.011E-02	.994	1.073E-02	2.3748E-04	2.2530E-04	DIACUP	
63	91.40	.05	2.03										
64	91.55	.05	1.52	2.03	9.57E+01	1.261E-04	1.197E-04	.011	1.121E-02	2.9102E-06	2.6672E-06	DIACDN	
65	91.55	.05	1.02	2.03	5.72E+02	7.542E-04	7.158E-04	.067	1.121E-02	1.6804E-05	1.5948E-05	DIACDN	
66	91.55	.05	.76	2.03	1.10E+03	1.457E-03	1.383E-03	.130	1.121E-02	3.2458E-05	3.0802E-05	DIACDN	
67	91.55	.05	.51	2.03	1.74E+03	2.297E-03	2.180E-03	.205	1.121E-02	5.1184E-05	4.8569E-05	DIACDN	
68	91.55	.05	.25	2.03	6.30E+03	8.424E-03	7.993E-03	.751	1.121E-02	1.8764E-04	1.7808E-04	DIACDN	

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
76	91.59	.35	.36									
70	91.81	.36	0.00	2.03	9.47E+03	1.257E-02	1.193E-02	1.113	1.129E-02	2.8034E-04	2.6569E-04	DIAEDN
71	92.31	.06	0.00	2.03	9.77E+03	1.298E-02	1.231E-02	1.133	1.145E-02	2.8914E-04	2.7432E-04	DIAEDN
72	92.92	.36	0.00	2.03	9.56E+03	1.271E-02	1.206E-02	1.095	1.161E-02	2.8314E-04	2.6862E-04	DIAEDN
73	94.09	.06	0.00	2.03	1.86E+04	1.489E-02	1.337E-02	1.173	1.291E-02	3.1395E-04	2.9785E-04	DIAEDN
74	96.63	.06	0.00									
75	99.17	.06	0.00	2.03	1.42E+04	1.891E-02	1.794E-02	1.331	1.421E-02	4.2134E-04	3.9974E-04	DIAEDN
76	98.23	2.35	.76	2.03	1.95E+02	2.588E-04	2.449E-04	.823	1.898E-02	5.7478E-06	5.4537E-06	DIAEDN

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(52) 1973 PAGE 84

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
77	90.23	2.35	.51	2.03	9.11E+02	1.204E-03	1.142E-03	.110	1.098E-02	2.6816E-05	2.5448E-05	DIAEDN
78	90.23	2.35	.25	2.03	3.97E+03	5.251E-03	4.983E-03	.478	1.098E-02	1.1699E-04	1.1101E-04	DIAEDN
79	90.27	2.35	.04	2.03	6.09E+03	8.068E-03	7.656E-03	.734	1.099E-02	1.7975E-04	1.7057E-04	DIAEDN
80	90.48	2.35	0.00	2.03	8.19E+03	1.086E-02	1.030E-02	.982	1.106E-02	2.4195E-04	2.2957E-04	DIAEDN
81	90.99	2.35	0.00	2.03	8.89E+03	1.179E-02	1.119E-02	1.050	1.123E-02	2.6266E-04	2.4921E-04	DIAEDN
82	91.50	2.35	0.00	2.03	8.55E+03	1.135E-02	1.077E-02	.997	1.139E-02	2.5296E-04	2.4000E-04	DIAEDN
83	92.77	2.35	0.00	2.03	9.49E+03	1.259E-02	1.195E-02	1.067	1.180E-02	2.8054E-04	2.6617E-04	DIAEDN
84	95.31	2.35	0.00	2.03	1.78E+04	1.439E-02	1.365E-02	1.136	1.267E-02	3.2049E-04	3.0403E-04	DIAEDN
85	97.85	2.35	0.00	2.03	1.24E+04	1.635E-02	1.552E-02	1.182	1.384E-02	3.6431E-04	3.4578E-04	DIAEDN
86	92.87	-2.22	.76	2.03	6.31E+02	8.315E-04	7.891E-04	.073	1.145E-02	1.8525E-05	1.7582E-05	DIAEDN
87	92.97	-2.22	.51	2.03	1.18E+03	1.551E-03	1.472E-03	.136	1.145E-02	3.4566E-05	3.2885E-05	DIAEDN
88	92.87	-2.22	.25	2.03	4.84E+03	6.398E-03	6.071E-03	.559	1.145E-02	1.4253E-04	1.3526E-04	DIAEDN
89	92.91	-2.22	.04	2.03	7.84E+03	1.037E-02	9.842E-03	.905	1.146E-02	2.3168E-04	2.1928E-04	DIAEDN
90	93.12	-2.22	0.00	2.03	9.40E+03	1.243E-02	1.180E-02	1.079	1.152E-02	2.7702E-04	2.6287E-04	DIAEDN
91	93.63	-2.22	0.00	2.03	9.78E+03	1.296E-02	1.230E-02	1.110	1.167E-02	2.8881E-04	2.7404E-04	DIAEDN
92	94.14	-2.22	0.00	2.03	9.20E+03	1.219E-02	1.157E-02	1.031	1.183E-02	2.7162E-04	2.5772E-04	DIAEDN
93	95.41	-2.22	0.00	2.03	9.96E+03	1.321E-02	1.253E-02	1.077	1.227E-02	2.9431E-04	2.7925E-04	DIAEDN
94	97.95	-2.22	0.00	2.03	1.06E+04	1.399E-02	1.328E-02	1.042	1.343E-02	3.1175E-04	2.9588E-04	DIAEDN
95	100.49	-2.22	0.00	2.03	1.41E+04	1.867E-02	1.771E-02	1.276	1.463E-02	4.1587E-04	3.9459E-04	DIAEDN

AMES 3.5 FT WIND TUNNEL TEST(1158). C. BLUMER RSI TILE GAPS RUN(53) 1973

TT = 1.1432E+031(K) CONF= 5.20
PT = 1.5346E+06(N/M2) GAP = .254 CM
HT = 1.2112E+06(J/KG) STEP = 0.0000(CM)
RE/METER= 4.6849E+06
MACH = 5.16
QS = 1.5872E+05(W/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.976 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	4.685E+06
1	64.62	-12.70	0.00	2.03	1.80E+04	1.351E-02	1.282E-02	1.119	1.208E-02	2.2124E-04	2.0991E-04	DIAEUP	
2	67.17	-12.70	0.00	2.03	9.72E+03	1.318E-02	1.250E-02	1.116	1.181E-02	2.1574E-04	2.0466E-04	DIAEUP	
3	68.94	-12.70	0.00	2.03	6.74E+03	9.118E-03	8.651E-03	.784	1.163E-02	1.4927E-04	1.4161E-04	DIAEUP	
4	69.19	-12.70	.25	2.03	2.28E+03	2.976E-03	2.824E-03	.257	1.160E-02	4.8722E-05	4.6229E-05	DIAEUP	
5	69.19	-12.70	.51	2.03	1.60E+02	2.428E-04	2.304E-04	.021	1.160E-02	3.9747E-06	3.7716E-06	DIAEUP	
6	69.19	-12.70	1.02	2.03	8.04E+00	1.083E-05	1.028E-05	.001	1.160E-02	1.7729E-07	1.6825E-07	DIAEUP	
7	69.19	-12.70	1.52										
8	69.44	-12.70	2.03										
9	69.70	-12.70	1.52										
10	69.70	-12.70	1.02										
11	69.70	-12.70	.76										
12	69.70	-12.70	.51										
13	69.70	-12.70	.25	2.03	5.57E+03	7.523E-03	7.139E-03	.651	1.155E-02	1.2316E-04	1.1686E-04	DIAEDN	
14	69.77	-12.70	.94	2.03	7.96E+03	1.077E-02	1.022E-02	.933	1.154E-02	1.7627E-04	1.6723E-04	DIAEDN	
15	69.95	-12.70	0.00	2.03	1.08E+04	1.460E-02	1.385E-02	1.267	1.152E-02	2.3894E-04	2.2668E-04	DIAEDN	
16	70.46	-12.70	0.00	2.03	1.28E+04	1.730E-02	1.641E-02	1.499	1.154E-02	2.8313E-04	2.6869E-04	DIAEDN	
17	70.97	-12.70	0.00	2.03	1.24E+04	1.686E-02	1.599E-02	1.458	1.157E-02	2.7601E-04	2.6183E-04	DIAEDN	
18	72.24	-12.70	0.00	2.03	1.12E+04	1.522E-02	1.444E-02	1.319	1.163E-02	2.4921E-04	2.3648E-04	DIAEDN	
19	74.78	-12.70	0.00	2.03	1.02E+04	1.376E-02	1.305E-02	1.171	1.175E-02	2.2519E-04	2.1366E-04	DIAEDN	
20	77.32	-12.70	0.00	2.03	1.14E+04	1.539E-02	1.460E-02	1.296	1.187E-02	2.5186E-04	2.3895E-04	DIAEDN	
21	93.84	-12.70	0.00	2.03	1.70E+04	2.296E-02	2.178E-02	1.486	1.633E-02	3.7580E-04	3.5650E-04	DIAEUP	
22	96.38	-12.70	0.00	2.03	1.93E+04	2.638E-02	2.502E-02	1.461	1.805E-02	4.3186E-04	4.0966E-04	DIAEUP	
23	98.37	-12.70	0.00	2.03	1.56E+04	2.112E-02	2.004E-02	1.063	1.987E-02	3.4575E-04	3.2805E-04	DIAEUP	
24	98.63	-12.70	.25	2.03	3.91E+03	5.277E-03	5.008E-03	.262	2.011E-02	8.6392E-05	8.1976E-05	DIAEUP	
25	98.63	-12.70	.51										
26	98.63	-12.70	1.02	2.03	1.14E+02	1.538E-04	1.460E-04	.008	2.011E-02	2.5175E-06	2.3892E-06	DIAEUP	
27	98.63	-12.70	1.52	2.03	4.39E+01	6.569E-05	6.235E-05	.003	2.011E-02	1.0754E-06	1.0206E-06	DIAEUP	
28	98.77	-12.70	2.03	2.03	1.59E+01	2.139E-05	2.030E-05	.001	2.024E-02	3.5016E-07	3.3233E-07	DIAECT	
29	98.92	-12.70	1.52	2.03	1.64E+01	1.395E-05	1.324E-05	.001	2.037E-02	2.2838E-07	2.1667E-07	DIAEDN	
30	98.92	-12.70	1.02	2.03	4.56E+01	6.133E-05	5.821E-05	.003	2.037E-02	1.0040E-06	9.5284E-07	DIAEDN	
31	98.92	-12.70	.76	2.03	2.99E+02	4.031E-04	3.826E-04	.020	2.037E-02	6.5994E-06	6.2627E-06	DIAEDN	
32	98.92	-12.70	.51	2.03	1.46E+03	1.973E-03	1.872E-03	.097	2.037E-02	3.2293E-05	3.0645E-05	DIAEDN	
33	98.92	-12.70	.25	2.03	1.16E+04	1.571E-02	1.490E-02	.771	2.037E-02	2.5711E-04	2.4396E-04	DIAEDN	
34	98.95	-12.70	.64	2.03	1.59E+04	2.151E-02	2.041E-02	1.054	2.041E-02	3.5212E-04	3.3411E-04	DIAEDN	
35	99.17	-12.70	0.00	2.03	2.33E+04	3.144E-02	2.983E-02	1.525	2.061E-02	5.1466E-04	4.8827E-04	DIAEDN	
36	99.69	-12.70	0.00	2.03	2.41E+04	3.256E-02	3.089E-02	1.545	2.107E-02	5.3301E-04	5.0570E-04	DIAEDN	
37	100.19	-12.70	0.00	2.03	2.41E+04	3.260E-02	3.093E-02	1.512	2.156E-02	5.3373E-04	5.0639E-04	DIAEDN	
38	101.46	-12.70	0.00	2.03	2.38E+04	3.221E-02	3.056E-02	1.405	2.292E-02	5.2732E-04	5.0029E-04	DIAEDN	
39	104.00	-12.70	0.00	2.03	2.41E+04	3.268E-02	3.100E-02	1.275	2.564E-02	5.3495E-04	5.0753E-04	DIAEDN	
40	105.52	-12.70	0.00										
												RE/M=	4.893E+06
61	87.45	.05	0.00	2.03	1.09E+04	1.397E-02	1.327E-02	.994	1.405E-02	2.3568E-04	2.2358E-04	DIACUP	
62	89.99	.05	0.00	2.03	1.24E+04	1.582E-02	1.502E-02	1.061	1.491E-02	2.6662E-04	2.5313E-04	DIACUP	
63	91.40	.05	2.03	2.03	9.11E+00	1.157E-05	1.099E-05	.001	1.571E-02	1.9588E-07	1.8522E-07	DIACCT	
64	91.45	.05	1.52	2.03	4.17E+02	5.308E-04	5.034E-04	.034	1.588E-02	8.9323E-06	8.4839E-06	DIACDN	
65	91.52	.05	1.02	2.03	1.42E+03	1.801E-03	1.710E-03	.114	1.588E-02	3.0349E-05	2.8825E-05	DIACDN	
66	91.55	.05	.76	2.03	2.14E+03	2.717E-03	2.580E-03	.172	1.588E-02	4.5792E-05	4.3489E-05	DIACDN	
67	91.52	.05	.51	2.03	3.06E+03	3.827E-03	3.635E-03	.242	1.588E-02	6.4585E-05	6.1256E-05	DIACDN	
68	91.55	.05	.25	2.03	1.01E+04	1.284E-02	1.220E-02	.813	1.588E-02	2.1645E-04	2.0553E-04	DIACDN	
69	91.59	.05	.04										

AMES 3.5 FT WIND TUNNEL TEST(1581), C. BLUMER RSI TILE GAPS RUN(53) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
70	91.91	.06	0.70	2.03	1.48E+04	1.890E-02	1.794E-02	1.185	1.594E-02	3.1846E-04	3.0238E-04	DIACON
71	92.31	.06	0.00	2.03	1.56E+04	1.993E-02	1.892E-02	1.228	1.623E-02	3.3581E-04	3.1884E-04	DIACON
72	92.92	.06	0.30	2.03	1.53E+04	1.955E-02	1.856E-02	1.183	1.652E-02	3.2952E-04	3.1285E-04	DIACON
73	94.09	.06	0.00	2.03	1.69E+04	2.167E-02	2.058E-02	1.257	1.725E-02	3.6529E-04	3.4679E-04	DIACON
74	96.63	.06	0.00									
75	99.17	.06	0.00	2.03	2.48E+04	3.172E-02	3.011E-02	1.509	2.102E-02	5.3455E-04	5.0751E-04	DIACON
76	90.23	2.35	.76	2.03	4.47E+02	5.690E-04	5.404E-04	.037	1.541E-02	9.5902E-06	9.1079E-06	DIAEDN
77	90.23	2.35	.51	2.03	1.44E+03	1.831E-03	1.739E-03	.119	1.541E-02	3.0857E-05	2.9303E-05	DIAEDN
78	90.23	2.35	.25	2.03	6.06E+03	7.728E-03	7.338E-03	.502	1.541E-02	1.3024E-04	1.2367E-04	DIAEDN
79	90.27	2.35	.04	2.03	8.91E+03	1.138E-02	1.080E-02	.737	1.543E-02	1.9173E-04	1.8206E-04	DIAEDN
80	90.48	2.35	0.00	2.03	1.20E+04	1.531E-02	1.454E-02	.984	1.556E-02	2.5811E-04	2.4507E-04	DIAEDN
81	90.99	2.35	0.30	2.03	1.32E+04	1.689E-02	1.603E-02	1.065	1.585E-02	2.8461E-04	2.7022E-04	DIAEDN
82	91.50	2.35	0.00	2.03	1.28E+04	1.640E-02	1.557E-02	1.015	1.615E-02	2.7638E-04	2.6240E-04	DIAEDN
83	92.77	2.35	0.00	2.03	1.44E+04	1.849E-02	1.755E-02	1.094	1.689E-02	3.1156E-04	2.9581E-04	DIAEDN
84	95.31	2.35	0.00	2.03	1.67E+04	2.133E-02	2.025E-02	1.157	1.844E-02	3.5950E-04	3.4132E-04	DIAEDN
85	97.85	2.35	0.00	2.03	1.93E+04	2.466E-02	2.342E-02	1.209	2.039E-02	4.1559E-04	3.9463E-04	DIAEDN
86	92.87	-2.22	.76	2.03	1.19E+03	1.509E-03	1.433E-03	.093	1.618E-02	2.5434E-05	2.4157E-05	DIAEDN
87	92.87	-2.22	.51	2.03	1.99E+03	2.531E-03	2.404E-03	.156	1.618E-02	4.2653E-05	4.0508E-05	DIAEDN
88	92.87	-2.22	.25	2.03	7.47E+03	9.510E-03	9.031E-03	.588	1.618E-02	1.6027E-04	1.5220E-04	DIAEDN
89	92.91	-2.22	.04	2.03	1.31E+04	1.669E-02	1.585E-02	1.030	1.620E-02	2.8136E-04	2.6713E-04	DIAEDN
90	93.12	-2.22	0.00	2.03	1.50E+04	2.021E-02	1.919E-02	1.239	1.632E-02	3.4064E-04	3.2366E-04	DIAEDN
91	93.63	-2.22	0.00	2.03	1.61E+04	2.060E-02	1.956E-02	1.241	1.659E-02	3.4719E-04	3.2965E-04	DIAEDN
92	94.14	-2.22	0.00	2.03	1.54E+04	1.965E-02	1.865E-02	1.164	1.687E-02	3.3110E-04	3.1437E-04	DIAEDN
93	95.41	-2.22	0.00	2.03	1.69E+04	2.151E-02	2.042E-02	1.217	1.767E-02	3.6245E-04	3.4413E-04	DIAEDN
94	97.95	-2.22	0.00	2.03	1.82E+04	2.329E-02	2.211E-02	1.184	1.967E-02	3.9246E-04	3.7262E-04	DIAEDN
95	188.49	-2.22	0.00	2.03	2.50E+04	3.202E-02	3.040E-02	1.473	2.174E-02	5.3960E-04	5.1233E-04	DIAEDN

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(94) 1973 PAGE 87

TT = 1.1147E+03(K) CONF= 2.20
PT = 4.5487E+05(N/M2) GAP = .508 CM
HT = 1.1846E+06(J/KG) STEP = 0.000(CM)
RE/MLTR= 1.4391E+06
MACH = 5.10
QS = 3.0637E+04(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	1.438E+06
1	91.95	-20.54	.76	1.02	1.88E+02	2.585E-04	2.453E-04	.035	7.413E-03	1.4455E-05	1.3339E-05	SINTDM	
2	91.45	-20.54	.51	1.02	7.24E+02	9.977E-04	9.468E-04	.135	7.413E-03	5.4248E-05	5.1482E-05	SINTDM	
3	91.35	-20.54	.28	1.02	2.65E+03	3.646E-03	3.460E-03	.492	7.413E-03	1.9826E-04	1.8815E-04	SINTDM	
4	91.35	-20.22	.03	1.02	3.04E+03	4.184E-03	3.971E-03	.566	7.390E-03	2.2751E-04	2.1590E-04	SINTDM	
5	92.00	-20.54	.05	1.02	3.70E+03	5.183E-03	4.918E-03	.699	7.411E-03	2.8179E-04	2.6741E-04	SINTDM	
6	92.07	-20.22	0.30	1.02	3.97E+03	5.470E-03	5.191E-03	.741	7.385E-03	2.9743E-04	2.8224E-04	SINTDM	
7	92.41	-20.54	0.90	1.02	4.60E+03	6.341E-03	6.017E-03	.857	7.395E-03	3.4479E-04	3.2715E-04	SINTDM	
8	92.70	-20.54	0.00	1.02	4.80E+03	6.709E-03	6.366E-03	.909	7.383E-03	3.6479E-04	3.4615E-04	SINTDM	
9	93.18	-20.54	0.30	1.02	4.60E+03	6.346E-03	6.022E-03	.862	7.364E-03	3.4504E-04	3.2741E-04	SINTDM	
10	94.47	-20.54	0.00	1.02	4.15E+03	5.724E-03	5.431E-03	.783	7.314E-03	3.1121E-04	2.9532E-04	SINTDM	
11	95.72	-20.54	0.30	1.02	4.31E+03	5.950E-03	5.646E-03	.817	7.278E-03	3.2349E-04	3.0697E-04	SINTDM	
12	97.02	-20.54	0.00	1.02	4.25E+03	5.862E-03	5.563E-03	.808	7.252E-03	3.1874E-04	3.0246E-04	SINTDM	
13	99.55	-20.54	0.00	1.02	4.32E+03	5.951E-03	5.647E-03	.826	7.201E-03	3.2358E-04	3.0707E-04	SINTDM	
14	102.10	-20.54	0.00	1.02	4.12E+03	5.678E-03	5.389E-03	.833	6.816E-03	3.0874E-04	2.9299E-04	SINTDM	
15	104.65	-20.54	0.00	1.02	4.30E+03	5.992E-03	5.686E-03	.942	6.360E-03	3.2578E-04	3.0916E-04	SINTDM	
16	91.82	-20.54	1.02	1.02	9.19E+03	1.263E-05	1.199E-05	.002	7.418E-03	6.8678E-07	6.5182E-07	SINTDM	
17	91.82	-19.94	1.02										
18	91.95	-19.94	.76	1.02	1.38E+02	1.904E-04	1.807E-04	.020	7.302E-03	1.0354E-05	9.8266E-06	SINTDM	
19	91.95	-19.94	.51	1.02	6.02E+02	8.292E-04	7.869E-04	.114	7.302E-03	4.5086E-05	4.2788E-05	SINTDM	
20	91.95	-19.94	.25	1.02	2.44E+03	3.366E-03	3.194E-03	.461	7.302E-03	1.8301E-04	1.7367E-04	SINTDM	
												RE/M=	1.452E+06
21	89.90	-0.00	0.00	2.03	4.22E+03	5.869E-03	5.569E-03	.846	6.934E-03	3.1782E-04	3.0156E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	4.35E+03	6.062E-03	5.751E-03	.880	6.891E-03	3.2823E-04	3.1142E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	3.41E+03	4.743E-03	4.500E-03	.694	6.830E-03	2.5686E-04	2.4366E-04	SINTUP	
24	91.44	-0.00	.05	2.03	2.53E+03	3.605E-03	3.420E-03	.529	6.818E-03	1.9520E-04	1.8521E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.24E+03	1.779E-03	1.689E-03	.261	6.815E-03	9.6326E-05	9.1399E-05	SINTUP	
26	91.44	-0.00	.49	2.03	2.81E+02	3.907E-04	3.707E-04	.057	6.815E-03	2.1154E-05	2.0073E-05	SINTUP	
27	91.44	-0.00	.75	2.03	1.03E+02	1.428E-04	1.355E-04	.021	6.815E-03	7.7317E-06	7.3366E-06	SINTUP	
28	91.44	-0.00	.94	2.03	3.50E+01	4.864E-05	4.612E-05	.007	6.815E-03	2.6316E-06	2.4972E-06	SINTUP	
29	91.44	-0.00	1.22	2.03	1.61E+01	2.238E-05	2.123E-05	.003	6.815E-03	1.2117E-06	1.1498E-06	SINTUP	
30	91.44	-0.00	1.52										
31	91.82	-0.00	2.03										
32	91.95	-0.00	1.77										
33	91.95	-0.00	1.51	2.03	2.27E+01	3.147E-05	2.985E-05	.005	6.784E-03	1.7041E-06	1.6171E-06	SINTDN	
34	91.95	-0.00	1.22	2.03	2.47E+01	3.422E-05	3.247E-05	.005	6.784E-03	1.8536E-06	1.7584E-06	SINTDN	
35	91.95	-0.00	.99	2.03	6.73E+01	9.336E-05	8.859E-05	.014	6.784E-03	5.0552E-06	4.7971E-06	SINTDN	
36	91.95	-0.00	.75	2.03	1.77E+02	2.452E-04	2.326E-04	.036	6.784E-03	1.3275E-05	1.2597E-05	SINTDN	
37	91.95	-0.00	.49	2.03	6.82E+02	9.475E-04	8.990E-04	.140	6.784E-03	5.1303E-05	4.8681E-05	SINTDN	
38	91.95	-0.00	.27	2.03	2.43E+03	3.375E-03	3.335E-03	.518	6.784E-03	1.9033E-04	1.8059E-04	SINTDN	
39	91.95	.32	.13	2.03	3.56E+03	4.943E-03	4.690E-03	.728	6.787E-03	2.6766E-04	2.5397E-04	SINTDN	
40	92.00	-0.00	.05	2.03	3.79E+03	5.276E-03	5.006E-03	.778	6.781E-03	2.8568E-04	2.7106E-04	SINTDN	
41	92.12	.32	0.00	2.03	4.59E+03	6.385E-03	6.058E-03	.942	6.777E-03	3.4571E-04	3.2801E-04	SINTDN	
42	92.19	-0.00	0.00	2.03	4.83E+03	6.728E-03	6.383E-03	.994	6.770E-03	3.6429E-04	3.4563E-04	SINTDN	
43	92.69	-0.00	0.00	2.03	4.61E+03	6.417E-03	6.088E-03	.952	6.740E-03	3.4748E-04	3.2967E-04	SINTDN	
44	93.20	-0.00	0.00	2.03	4.13E+03	5.988E-03	5.681E-03	.893	6.709E-03	3.2425E-04	3.0764E-04	SINTDN	

PAGE 88

AMES 3.5 FT WIND TUNNEL TEST(1158), G. PLUMER RSI TILE GAPS RUN: 541 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STI	GAP-TYPE	
													RE/M= 1.481E+06
45	94.07	-0.00	0.00	2.03	4.64E+03	5.626E-03	5.338E-03	.848	6.633E-03	3.0466E-04	2.8986E-04	SINTOM	
46	95.74	-0.00	0.00	2.03	3.88E+03	5.399E-03	5.122E-03	.818	6.601E-03	2.9233E-04	2.7736E-04	SINTOM	
47	97.00	-0.00	0.00	2.03	4.19E+03	5.830E-03	5.531E-03	.883	6.601E-03	3.1567E-04	2.9951E-04	SINTOM	
48	95.55	-0.00	0.00	2.03	3.95E+03	5.492E-03	5.211E-03	.832	6.601E-03	2.9741E-04	2.8218E-04	SINTOM	
49	102.09	-0.00	0.00	2.03	3.92E+03	5.456E-03	5.177E-03	.843	6.476E-03	2.9344E-04	2.8032E-04	SINTOM	
50	100.64	-0.00	0.00	2.03	3.93E+03	5.468E-03	5.181E-03	.864	6.323E-03	2.9565E-04	2.8053E-04	SINTOM	
55	91.92	1.59	2.01							6.6567E-06	6.3167E-06	SINTOM	
56	91.95	1.59	1.51							5.8702E-05	5.5774E-05	SINTOM	
57	91.95	1.59	1.01	2.03	8.80E+01	1.229E-04	1.167E-04	.818	6.905E-03	1.9967E-04	1.8965E-04	SINTOM	
58	91.95	1.59	.51	2.03	7.81E+02	1.060E-03	1.038E-03	.160	6.805E-03				
59	91.95	1.59	.47	2.03	2.65E+03	3.680E-03	3.499E-03	.542	6.805E-03				
60	91.95	1.59	.25	2.03						0.0270E-08	7.6214E-08	SINTOM	
71	91.95	20.53	3.45	0.00	1.08E+00	1.465E-06	1.391E-06	.000	7.822E-03				
72	91.95	20.53	3.61							4.0267E-08	3.8227E-08	SINTOM	
73	91.95	20.53	2.51	0.00	5.43E-01	7.351E-07	6.978E-07	.009	7.822E-03	4.0022E-07	3.7995E-07	SINTOM	
74	91.95	20.53	2.01	0.00	5.40E+00	7.306E-06	6.936E-06	.001	7.822E-03				
75	91.95	20.53	1.52										
76	91.95	20.53	1.26							1.7890E-06	1.6983E-06	SINTOM	
77	91.95	20.53	1.00	0.00	2.41E+01	3.268E-05	3.108E-05	.004	7.822E-03	1.3626E-05	1.2934E-05	SINTOM	
78	91.95	20.53	.74	0.00	1.94E+02	2.487E-04	2.361E-04	.032	7.822E-03	4.1451E-05	3.9367E-05	SINTOM	
79	91.95	20.53	.50	0.00	5.50E+02	7.267E-04	7.103E-04	.097	7.822E-03	2.1488E-04	2.0397E-04	SINTOM	
80	91.42	20.53	.24	0.00	2.89E+03	3.922E-03	3.723E-03	.501	7.822E-03	3.0500E-04	2.8951E-04	SINTOM	
81	92.00	20.53	.5	0.00	4.14E+03	5.568E-03	5.285E-03	.712	7.820E-03	3.9032E-04	3.7048E-04	SINTOM	
82	92.16	20.53	.00	0.00	5.25E+03	7.125E-03	6.763E-03	.912	7.812E-03	3.7714E-04	3.5795E-04	SINTOM	
83	92.72	20.53	.00	0.00	5.07E+03	6.884E-03	6.534E-03	.884	7.791E-03	3.4235E-04	3.2493E-04	SINTOM	
84	93.22	20.53	.00	0.00	4.60E+03	6.249E-03	5.931E-03	.804	7.771E-03	3.3603E-04	3.1967E-04	SINTOM	
85	94.46	20.53	.00	0.00	4.52E+03	6.149E-03	5.835E-03	.796	7.721E-03	3.1565E-04	2.9957E-04	SINTOM	
86	95.76	20.53	.00	0.00	4.23E+03	5.762E-03	5.468E-03	.751	7.669E-03	3.2655E-04	3.0991E-04	SINTOM	
87	97.02	20.53	.00	0.00	4.30E+03	5.961E-03	5.657E-03	.782	7.618E-03	3.0976E-04	2.9395E-04	SINTOM	
88	99.55	20.53	.00	0.00	4.15E+03	5.654E-03	5.366E-03	.752	7.517E-03	3.3290E-04	3.1590E-04	SINTOM	
89	102.08	20.53	.00	0.00	4.43E+03	6.077E-03	5.767E-03	.824	7.374E-03	3.3278E-04	3.1581E-04	SINTOM	
90	104.63	20.53	.00	0.00	4.46E+03	6.075E-03	5.765E-03	.841	7.222E-03				

AMES 3.5 FT WIND TUNNEL TEST(1581). C. BLUMER RSI TILE GAPS RUN(55) 1973 PAGE 89

TT = 1.1300E+03(K) CONF= 2.20
PT = 9.2768E+05(N/M2) GAP = .500 CM
HT = 1.1970E+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.5732E+06
MACH = 5.10
QS = 1.1011E+05(N/M2)
MAW/HT =0.987 FOR HT
MAW/HT =0.974 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.573E+06
1	91.95	-20.54	.75	1.02	2.56E+02	3.483E-04	3.306E-04	.848	8.723E-03	1.0406E-05	9.9532E-06	SINTON	
2	91.95	-20.54	.51	1.02	9.95E+02	1.355E-03	1.286E-03	.155	8.723E-03	4.0801E-05	3.8722E-05	SINTON	
3	91.95	-20.54	.28	1.02	3.21E+03	4.373E-03	4.150E-03	.501	8.723E-03	1.3167E-04	1.2495E-04	SINTON	
4	91.95	-20.22	.09	1.02	3.29E+03	4.483E-03	4.254E-03	.514	8.715E-03	1.3495E-04	1.2806E-04	SINTON	
5	92.00	-20.54	.05	1.02	3.62E+03	4.933E-03	4.681E-03	.566	8.721E-03	1.4858E-04	1.4092E-04	SINTON	
6	92.07	-20.22	0.00	1.02	3.73E+03	5.695E-03	4.835E-03	.585	8.718E-03	1.5339E-04	1.4555E-04	SINTON	
7	92.41	-20.54	0.00	1.02	4.71E+03	6.423E-03	6.095E-03	.736	8.702E-03	1.9330E-04	1.8350E-04	SINTON	
8	92.70	-20.54	0.00	1.02	5.66E+03	7.736E-03	7.340E-03	.886	8.689E-03	2.3269E-04	2.2099E-04	SINTON	
9	93.18	-20.54	0.00	1.02	5.28E+03	7.210E-03	6.849E-03	.833	8.666E-03	2.1738E-04	2.0619E-04	SINTON	
10	94.07	-20.54	0.00	1.02	4.69E+03	6.395E-03	6.069E-03	.743	8.688E-03	1.9254E-04	1.8270E-04	SINTON	
11	95.72	-20.54	0.00	1.02	4.73E+03	6.461E-03	6.131E-03	.750	8.615E-03	1.9482E-04	1.8489E-04	SINTON	
12	97.02	-20.54	0.00	1.02	4.40E+03	6.050E-03	5.743E-03	.699	8.672E-03	1.8238E-04	1.7307E-04	SINTON	
13	99.56	-20.54	0.00	1.02	5.16E+03	7.020E-03	6.678E-03	.808	8.703E-03	2.1268E-04	2.0080E-04	SINTON	
14	102.10	-20.54	0.00	1.02	4.86E+03	6.620E-03	6.298E-03	.773	8.575E-03	1.9965E-04	1.8937E-04	SINTON	
15	104.65	-20.53	0.00	1.02	5.33E+03	7.254E-03	6.884E-03	.874	8.301E-03	2.1868E-04	2.0726E-04	SINTON	
16	91.82	-20.53	1.02										
17	91.82	-18.94	1.02										
18	91.95	-18.94	.76	1.02	1.32E+02	1.792E-04	1.701E-04	.021	8.688E-03	5.3948E-06	5.1197E-06	SINTON	
19	91.95	-14.94	.51	1.02	7.40E+02	1.010E-03	9.662E-04	.117	8.688E-03	3.0650E-05	2.9069E-05	SINTON	
20	91.95	-18.94	.25	1.02	2.63E+03	3.581E-03	3.398E-03	.412	8.688E-03	1.0768E-04	1.0231E-04	SINTON	
													RE/M= 2.562E+06
21	90.90	-6.00	0.00	2.03	5.02E+03	6.828E-03	6.472E-03	.881	8.513E-03	2.0572E-04	1.9524E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	5.28E+03	7.188E-03	6.821E-03	.839	8.571E-03	2.1668E-04	2.0575E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	4.18E+03	5.689E-03	5.399E-03	.656	8.668E-03	1.7161E-04	1.6289E-04	SINTUP	
24	91.39	-0.00	.65	2.03	3.27E+03	4.450E-03	4.222E-03	.512	8.688E-03	1.3422E-04	1.2737E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.94E+03	2.782E-03	2.564E-03	.311	8.693E-03	8.1497E-05	7.7341E-05	SINTUP	
26	91.44	-0.00	.48	2.03	5.59E+02	7.588E-04	7.201E-04	.087	8.693E-03	2.2888E-05	2.1722E-05	SINTUP	
27	91.44	-0.00	.75	2.03	2.76E+02	3.742E-04	3.552E-04	.043	8.693E-03	1.1209E-05	1.0714E-05	SINTUP	
28	91.44	-0.00	.99	2.03	1.57E+02	2.126E-04	2.018E-04	.024	8.693E-03	6.4124E-06	6.0865E-06	SINTUP	
29	91.44	-0.00	1.22	2.03	8.44E+01	1.141E-04	1.083E-04	.013	8.693E-03	3.4416E-06	3.2669E-06	SINTUP	
30	91.44	-0.00	1.52										
31	91.42	-0.00	2.03										
32	91.95	-0.00	1.77										
33	91.95	-0.00	1.51										
34	91.95	-0.00	1.22	2.03	2.74E+01	3.702E-05	3.514E-05	.004	8.741E-03	1.1166E-06	1.0598E-06	SINTON	
35	91.95	-0.00	.99	2.03	1.24E+02	1.675E-04	1.590E-04	.019	8.741E-03	5.0523E-06	4.7955E-06	SINTON	
36	91.95	-0.00	.75	2.03	2.89E+02	3.913E-04	3.714E-04	.045	8.741E-03	1.1802E-05	1.1202E-05	SINTON	
37	91.95	-0.00	.48	2.03	9.53E+02	1.293E-03	1.227E-03	.148	8.741E-03	3.8988E-05	3.7002E-05	SINTON	
38	91.95	-0.00	.27	2.03	3.33E+03	4.516E-03	4.285E-03	.517	8.741E-03	1.3621E-04	1.2926E-04	SINTON	
39	91.95	.32	.14	2.03	4.46E+03	6.049E-03	5.740E-03	.691	8.751E-03	1.8248E-04	1.7315E-04	SINTON	
40	92.00	-0.00	.05	2.03	4.42E+03	6.012E-03	5.715E-03	.687	8.746E-03	1.8133E-04	1.7230E-04	SINTON	
41	92.12	.32	0.00	2.03	5.66E+03	7.698E-03	7.305E-03	.878	8.767E-03	2.3221E-04	2.2036E-04	SINTON	
42	92.19	-0.00	0.00	2.03	6.04E+03	8.224E-03	7.804E-03	.938	8.766E-03	2.4806E-04	2.3539E-04	SINTON	
43	92.64	-0.00	0.00	2.03	5.79E+03	7.886E-03	7.483E-03	.895	8.812E-03	2.3788E-04	2.2571E-04	SINTON	
44	93.23	-0.00	0.00	2.03	5.31E+03	7.223E-03	6.854E-03	.815	8.861E-03	2.1786E-04	2.0673E-04	SINTON	
45	94.47	-0.00	0.00	2.03	4.93E+03	6.699E-03	6.357E-03	.746	8.383E-03	2.0205E-04	1.9175E-04	SINTON	
46	95.74	-0.00	0.00	2.03	4.84E+03	6.576E-03	6.240E-03	.721	9.120E-03	1.9835E-04	1.8823E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1501), C. BLUMER RSI TILE GAPS RUN(551) 1973 PAGE 98

T/C	X (CM)	YY (CM)	ΔZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	ST	GAP-TYPE	
47	97.30	-0.00	0.00	2.03	5.34E+03	7.19GE-03	6.831E-03	.777	9.260E-03	2.1713E-04	2.8606E-04	SINTDN	
48	99.55	-0.00	0.00	2.03	5.02E+03	6.816E-03	6.468E-03	.712	9.567E-03	2.0350E-04	1.9511E-04	SINTDN	
49	102.09	-0.00	0.00	2.03	4.99E+03	6.777E-03	6.431E-03	.686	9.881E-03	2.6542E-04	1.9408E-04	SINTDM	
50	104.64	-0.00	0.00	2.03	5.12E+03	6.941E-03	6.587E-03	.680	1.020E-02	2.0937E-04	1.9870E-04	SINTDN	
56	91.42	1.59	2.03										
57	91.95	1.59	1.51							6.6252E-06	6.2884E-06	SINTDN	
58	91.95	1.59	1.01	2.03	1.02E+02	2.196E-04	2.085E-04	.025	8.790E-03	4.4060E-05	4.1813E-05	SINTDN	
59	91.95	1.59	.47	2.03	1.08E+03	1.461E-03	1.386E-03	.166	8.790E-03	1.4053E-04	1.3336E-04	SINTDN	
60	91.95	1.59	.20	2.03	3.43E+03	4.659E-03	4.421E-03	.530	8.790E-03				
											KE/M=	2.964E+06	
71	91.95	20.53	3.45										
72	91.95	20.53	3.01										
73	91.95	20.53	2.51										
74	91.95	20.53	2.01										
75	91.95	20.53	1.52										
76	91.95	20.53	1.24										
77	91.95	20.53	1.00										
78	91.95	20.53	.74	4.06	1.53E+02	2.002E-04	1.901E-04	.021	9.399E-03	6.1456E-06	5.8355E-06	SINTUN	
79	91.95	20.53	.50	4.06	5.82E+02	7.633E-04	7.248E-04	.081	9.399E-03	2.3433E-05	2.2258E-05	SINTDN	
80	91.95	20.53	.24	4.06	3.02E+03	3.959E-03	3.758E-03	.421	9.399E-03	1.2131E-04	1.1537E-04	SINTDN	
81	92.08	20.53	.05	4.06	3.97E+03	5.219E-03	4.955E-03	.555	9.402E-03	1.6023E-04	1.5213E-04	SINTUN	
82	92.14	20.53	0.00	4.06	5.47E+03	7.191E-03	6.827E-03	.764	9.412E-03	2.2075E-04	2.0957E-04	SINTDN	
83	92.72	20.53	0.00	4.06	5.70E+03	7.586E-03	7.199E-03	.803	9.446E-03	2.3202E-04	2.2102E-04	SINTDN	
84	93.22	20.53	0.00	4.06	5.39E+03	7.093E-03	6.736E-03	.749	9.473E-03	2.1776E-04	2.0671E-04	SINTDN	
85	94.46	20.53	0.00	4.06	5.26E+03	6.937E-03	6.584E-03	.727	9.547E-03	2.1295E-04	2.0213E-04	SINTDN	
86	95.78	20.53	0.00	4.06	4.92E+03	6.487E-03	6.158E-03	.675	9.608E-03	1.9916E-04	1.8904E-04	SINTDN	
87	97.02	20.53	0.00	4.06	4.93E+03	6.532E-03	6.200E-03	.676	9.657E-03	2.0052E-04	1.9032E-04	SINTDN	
88	99.55	20.53	0.00	4.06	4.65E+03	6.156E-03	5.842E-03	.631	9.755E-03	1.8898E-04	1.7935E-04	SINTDN	
89	102.08	20.53	0.00	4.06	5.09E+03	6.749E-03	6.404E-03	.669	1.009E-02	2.0718E-04	1.9661E-04	SINTDN	
90	104.61	20.53	0.00	4.06	4.98E+03	6.587E-03	6.251E-03	.629	1.047E-02	2.0221E-04	1.9191E-04	SINTDN	

AMES 3.5 FT WIND TUNNEL TEST(1158). C. BLUMER RSI TILE GAPS RUN(56) 1973

TT = 1.1819E+03(K) CONE= 2.20
PT = 4.8433E+05(N/M2) GAP = .254 CM
HT = 1.1533E+06(J/KG) STEP = 0.000(CM)
RE/METER= 1.5732E+06
MACH = 5.18
QS = 9.1561E+04(N/M2)
MAN/MT =0.967 FOR MT
MAN/MT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	1.572E+06
1	91.69	-20.34	.75	1.02	1.30E+02	1.830E-04	1.736E-04	.024	7.521E-03	9.2325E-06	8.7607E-06	SINTON	
2	91.69	-20.34	.51	1.02	5.04E+02	7.142E-04	6.776E-04	.095	7.521E-03	3.6035E-05	3.4192E-05	SINTON	
3	91.69	-20.34	.28	1.02	2.27E+03	3.197E-03	3.033E-03	.425	7.521E-03	1.6131E-04	1.5305E-04	SINTON	
4	91.69	-20.22	.39	1.02	2.70E+03	3.800E-03	3.611E-03	.507	7.501E-03	1.9201E-04	1.8219E-04	SINTON	
5	91.74	-20.34	.05	1.02	3.40E+03	4.862E-03	4.613E-03	.647	7.519E-03	2.4531E-04	2.3275E-04	SINTON	
6	91.82	-20.22	0.00	1.02	3.70E+03	5.263E-03	4.937E-03	.694	7.495E-03	2.6255E-04	2.4911E-04	SINTON	
7	92.15	-20.34	0.00	1.02	4.45E+03	6.273E-03	5.951E-03	.836	7.500E-03	3.1649E-04	3.0028E-04	SINTON	
8	92.46	-20.34	0.00	1.02	5.09E+03	7.171E-03	6.803E-03	.958	7.487E-03	3.6102E-04	3.4328E-04	SINTON	
9	92.93	-20.34	0.00	1.02	4.94E+03	6.956E-03	6.600E-03	.932	7.465E-03	3.5106E-04	3.3301E-04	SINTON	
10	96.22	-20.34	0.00	1.02	4.54E+03	6.400E-03	6.072E-03	.864	7.406E-03	3.2296E-04	3.0636E-04	SINTON	
11	93.46	-20.34	0.00	1.02	4.73E+03	6.668E-03	6.318E-03	.905	7.361E-03	3.3602E-04	3.1881E-04	SINTON	
12	96.77	-20.34	0.00	1.02	4.70E+03	6.616E-03	6.277E-03	.902	7.335E-03	3.3384E-04	3.1673E-04	SINTON	
13	99.31	-20.34	0.00	1.02	4.72E+03	6.644E-03	6.304E-03	.912	7.284E-03	3.3523E-04	3.1806E-04	SINTON	
14	101.45	-20.34	0.00	1.02	4.48E+03	6.314E-03	5.990E-03	.912	6.922E-03	3.1857E-04	3.0225E-04	SINTON	
15	104.33	-20.53	0.00	1.02	4.70E+03	6.697E-03	6.354E-03	1.040	6.442E-03	3.3791E-04	3.2061E-04	SINTON	
16	91.57	-20.53	1.02										
17	91.57	-18.34	1.02										
18	91.69	-18.34	.76	1.02	7.05E+01	9.910E-05	9.403E-05	.013	7.424E-03	5.0003E-06	4.7467E-06	SINTON	
19	91.69	-18.44	.51	1.02	4.03E+02	5.753E-04	5.458E-04	.077	7.424E-03	2.9025E-05	2.7541E-05	SINTON	
20	91.69	-18.34	.25	1.02	1.93E+03	2.721E-03	2.581E-03	.366	7.424E-03	1.3727E-04	1.3025E-04	SINTON	
												RE/M=	1.591E+06
21	88.90	-3.00	0.00	2.03	4.16E+03	5.917E-03	5.613E-03	.830	7.077E-03	2.9769E-04	2.8183E-04	SINTUP	
22	90.17	-3.00	0.00	2.03	4.44E+03	6.329E-03	6.004E-03	.894	7.042E-03	3.1778E-04	3.0144E-04	SINTUP	
23	91.19	-3.00	0.00	2.03	3.26E+03	4.663E-03	4.423E-03	.667	6.992E-03	2.3411E-04	2.2208E-04	SINTUP	
24	91.39	-3.00	.05	2.03	2.48E+03	3.501E-03	3.321E-03	.501	6.982E-03	1.7577E-04	1.6674E-04	SINTUP	
25	91.44	-3.00	.27	2.03	1.16E+03	1.646E-03	1.562E-03	.236	6.980E-03	8.2662E-05	7.8419E-05	SINTUP	
26	91.44	-3.00	.48	2.03	2.58E+02	3.674E-04	3.486E-04	.053	6.980E-03	1.8449E-05	1.7502E-05	SINTUP	
27	91.44	-3.00	.75	2.03	7.47E+01	1.061E-04	1.007E-04	.015	6.980E-03	5.3267E-06	5.0535E-06	SINTUP	
28	91.44	-3.00	.99	2.03	3.51E+01	4.985E-05	4.730E-05	.007	6.980E-03	2.5031E-06	2.3748E-06	SINTUP	
29	91.44	-3.00	1.22										
30	91.44	-3.00	1.52										
31	91.57	-3.00	2.03										
32	91.69	-3.00	1.77										
33	91.69	-3.00	1.51										
34	91.69	-3.00	1.22	2.03	2.03E+01	2.963E-05	2.811E-05	.004	6.907E-03	1.6876E-06	1.6113E-06	SINTON	
35	91.69	-3.00	.99	2.03	3.40E+01	4.967E-05	4.656E-05	.007	6.967E-03	2.4635E-06	2.3375E-06	SINTON	
36	91.69	-3.00	.75	2.03	1.06E+02	1.587E-04	1.430E-04	.022	6.967E-03	7.5683E-06	7.1801E-06	SINTON	
37	91.69	-3.00	.48	2.03	4.98E+02	7.279E-04	6.716E-04	.102	6.967E-03	3.5543E-05	3.3728E-05	SINTON	
38	91.69	-3.00	.27	2.03	2.61E+03	2.853E-03	2.706E-03	.409	6.967E-03	1.4323E-04	1.3587E-04	SINTON	
39	91.69	.32	.13	2.03	2.91E+03	3.997E-03	3.792E-03	.573	6.970E-03	2.0068E-04	1.9039E-04	SINTON	
40	91.74	-3.00	.05	2.03	2.99E+03	4.252E-03	4.034E-03	.611	6.965E-03	2.1356E-04	2.0256E-04	SINTON	
41	91.86	.32	0.00	2.03	3.79E+03	5.393E-03	5.116E-03	.775	6.961E-03	2.7078E-04	2.5687E-04	SINTON	
42	91.94	-3.00	0.00	2.03	4.14E+03	5.890E-03	5.587E-03	.847	6.955E-03	2.9571E-04	2.8051E-04	SINTON	
43	92.03	-3.05	0.00	2.03	4.44E+03	6.328E-03	6.003E-03	.913	6.931E-03	3.1773E-04	3.0139E-04	SINTON	
44	92.95	-3.00	0.00	2.03	4.24E+03	6.037E-03	5.726E-03	.874	6.905E-03	3.0389E-04	2.8758E-04	SINTON	
45	94.72	-3.00	0.00	2.03	4.04E+03	5.756E-03	5.460E-03	.841	6.844E-03	2.8908E-04	2.7414E-04	SINTON	
46	95.68	-3.00	0.00	2.03	3.84E+03	5.488E-03	5.130E-03	.795	6.802E-03	2.7152E-04	2.5756E-04	SINTON	
47	98.75	-3.00	0.00	2.03	4.18E+03	5.933E-03	5.628E-03	.873	6.793E-03	2.9788E-04	2.8257E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1538), C. BLUMER RSI TILE GAPS RUN# 561 1973

T/C	X (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	SIL	SIT	GAP-TYPE	
48	99.29	-0.00	0.00	2.03	3.93E+03	5.59E-03	5.38E-03	.826	6.77E-03	2.0884E-04	2.6641E-04	SINTOM
49	101.83	-0.00	0.00	2.03	3.80E+03	5.53E-03	5.24E-03	.831	6.85E-03	2.7766E-04	2.6338E-04	SINTOM
50	104.38	-0.00	0.00	2.03	3.68E+03	5.49E-03	5.21E-03	.847	6.43E-03	2.7560E-04	2.6160E-04	SINTOM
56	91.57	1.59	2.03									
57	91.59	1.59	1.51									
58	91.69	1.59	1.01						4.0495E-05	3.0416E-05	SINTOM	
59	91.69	1.59	.47	2.03	5.67E+02	8.00E-04	7.65E-04	.116	6.98E-03	1.4999E-04	1.4229E-04	SINTOM
60	91.69	1.59	.26	2.63	2.10E+03	2.90E-03	2.83E-03	.420	6.98E-03			
											RE/M=	1.99E+06
71	91.69	20.53	3.45									
72	91.69	20.53	3.04									
73	91.69	20.53	2.51									
74	91.69	20.53	2.01						1.9882E-06	1.8867E-06	SINTOM	
75	91.69	20.53	1.52	4.06	2.81E+01	3.92E-05	3.72E-05	.005	7.03E-03	3.1160E-06	2.9512E-06	SINTOM
76	91.69	20.53	1.26	4.06	1.44E+01	6.13E-05	5.82E-05	.008	7.03E-03	9.7085E-07	9.2128E-07	SINTOM
77	91.69	20.53	1.00	4.06	1.37E+01	1.91E-05	1.81E-05	.002	7.03E-03	6.7922E-06	6.4453E-06	SINTOM
78	91.69	20.53	.74	4.06	9.64E+01	1.34E-04	1.27E-04	.017	7.03E-03	2.8369E-05	2.6919E-05	SINTOM
79	91.69	20.53	.50	4.06	4.41E+02	5.60E-04	5.31E-04	.072	7.03E-03	1.6457E-04	1.5615E-04	SINTOM
80	91.69	20.53	.24	4.06	2.32E+03	3.24E-03	3.08E-03	.415	7.03E-03	2.5726E-04	2.4409E-04	SINTOM
81	91.74	20.53	.05	4.06	3.65E+03	5.07E-03	4.81E-03	.649	7.03E-03	3.3870E-04	3.2136E-04	SINTOM
82	91.93	20.53	0.00	4.06	4.78E+03	6.68E-03	6.34E-03	.855	7.02E-03	3.5469E-04	3.3670E-04	SINTOM
83	92.46	20.53	0.00	4.06	5.04E+03	7.08E-03	6.64E-03	.898	7.01E-03	3.3811E-04	3.1318E-04	SINTOM
84	92.98	20.53	0.00	4.06	4.65E+03	6.51E-03	6.18E-03	.838	7.70IE-03	3.2743E-04	3.1082E-04	SINTOM
85	94.21	20.53	0.00	4.06	4.01E+03	5.66E-03	6.13E-03	.836	7.73IE-03	3.2370E-04	3.0709E-04	SINTOM
86	95.51	20.53	0.00	4.06	4.55E+03	6.39E-03	6.06E-03	.832	7.67IE-03	3.1079E-04	3.0242E-04	SINTOM
87	96.76	20.53	0.00	4.06	4.60E+03	6.29E-03	5.97E-03	.826	7.62IE-03	3.1724E-04	3.0893E-04	SINTOM
88	99.29	20.53	0.00	4.06	4.80E+03	6.26E-03	5.94E-03	.834	7.51IE-03	3.4550E-04	3.2725E-04	SINTOM
89	101.83	20.53	0.00	4.06	4.84E+03	6.81IE-03	6.46IE-03	.923	7.37IE-03	3.3363E-04	3.1647E-04	SINTOM
90	104.38	20.53	0.00	4.06	4.68E+03	6.58IE-03	6.24IE-03	.918	7.23IE-03			

AMES 3.5 FT WIND TUNNEL TEST(1548), C. BLUMER RSI TILE GAPS RUN(57) 1973 PAGE 93

TT = 1.1157E+03(K) CONF= 2.20
PT = 4.2029E+05(N/M2) GAP = .254 CM
HT = 1.1793E+08(J/KG) STEP = 0.000(CM)
RE/METER= 2.6091E+06
MACH = 5.10
QC = 1.0795E+05(N/M2)
HAW/HT =0.987 FOR HT
HAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.609E+06
1	91.53	-20.54	.75	1.02	1.88E+02	2.589E-04	2.457E-04	.029	8.830E-03	7.7853E-06	7.3889E-06	SINTON	
2	91.59	-20.54	.51	1.02	6.95E+02	9.600E-04	9.111E-04	.109	8.830E-03	2.8807E-05	2.7395E-05	SINTON	
3	91.63	-20.54	.26	1.02	2.95E+03	4.085E-03	3.877E-03	.463	8.830E-03	1.2263E-04	1.1657E-04	SINTON	
4	91.69	-20.22	.09	1.02	3.33E+03	4.560E-03	4.327E-03	.517	8.822E-03	1.3712E-04	1.3013E-04	SINTON	
5	91.74	-20.54	.05	1.02	3.78E+03	5.238E-03	4.971E-03	.593	8.828E-03	1.5756E-04	1.4947E-04	SINTON	
6	91.82	-20.22	0.00	1.02	3.96E+03	5.481E-03	5.201E-03	.622	8.817E-03	1.6481E-04	1.5640E-04	SINTON	
7	92.15	-20.54	0.00	1.02	4.83E+03	6.695E-03	6.353E-03	.760	8.812E-03	2.0131E-04	1.9103E-04	SINTON	
8	92.45	-20.54	0.00	1.02	6.13E+03	8.490E-03	8.056E-03	.965	8.800E-03	2.5526E-04	2.4223E-04	SINTON	
9	92.93	-20.54	0.00	1.02	5.97E+03	8.280E-03	7.857E-03	.941	8.780E-03	2.4898E-04	2.3625E-04	SINTON	
10	94.22	-20.54	0.00	1.02	5.39E+03	7.464E-03	7.083E-03	.855	8.728E-03	2.2465E-04	2.1298E-04	SINTON	
11	95.48	-20.54	0.00	1.02	5.64E+03	7.814E-03	7.415E-03	.896	8.720E-03	2.3498E-04	2.2297E-04	SINTON	
12	96.77	-20.54	0.00	1.02	5.50E+03	8.182E-03	7.764E-03	.931	8.789E-03	2.4604E-04	2.3347E-04	SINTON	
13	99.31	-20.54	0.00	1.02	5.55E+03	7.664E-03	7.273E-03	.859	8.923E-03	2.3047E-04	2.1870E-04	SINTON	
14	101.85	-20.54	0.00	1.02	5.23E+03	7.244E-03	6.875E-03	.824	8.795E-03	2.1784E-04	2.0672E-04	SINTON	
15	104.39	-20.53	0.00	1.02	5.70E+03	7.901E-03	7.497E-03	.922	8.569E-03	2.3758E-04	2.2544E-04	SINTON	
16	91.57	-20.53	1.02	1.02	2.17E+00	2.996E-06	2.843E-06	.000	8.836E-03	9.0075E-08	8.5492E-08	SINTON	
17	91.57	-18.34	1.02	1.02	5.60E-01	7.723E-07	7.330E-07	.000	8.792E-03	2.3224E-08	2.2062E-08	SINTON	
18	91.69	-18.34	.76	1.02	9.10E+01	1.257E-04	1.193E-04	.014	8.783E-03	3.7803E-06	3.5877E-06	SINTON	
19	91.69	-18.34	.51	1.02	5.35E+02	7.394E-04	7.017E-04	.084	8.789E-03	2.2233E-05	2.1108E-05	SINTON	
20	91.69	-18.34	.25	1.02	2.53E+03	3.499E-03	3.321E-03	.398	8.789E-03	1.0522E-04	9.9859E-05	SINTON	
													RE/M= 2.572E+06
21	88.90	-0.00	0.00	2.03	5.16E+03	7.857E-03	6.698E-03	.827	8.536E-03	2.4354E-04	2.0268E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	5.52E+03	7.558E-03	7.173E-03	.879	8.596E-03	2.2876E-04	2.1705E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	4.87E+03	5.565E-03	5.282E-03	.648	8.696E-03	1.6840E-04	1.5983E-04	SINTUP	
24	91.39	-0.00	.05	2.03	3.88E+03	4.210E-03	3.996E-03	.483	8.716E-03	1.2746E-04	1.2092E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.55E+03	2.119E-03	2.011E-03	.243	8.721E-03	6.4112E-05	6.0853E-05	SINTUP	
26	91.44	-0.00	.48	2.03	3.52E+02	4.806E-04	4.561E-04	.055	8.721E-03	1.4542E-05	1.3803E-05	SINTUP	
27	91.44	-0.00	.75	2.03	1.40E+02	1.905E-04	1.808E-04	.022	8.721E-03	5.7639E-06	5.4713E-06	SINTUP	
28	91.44	-0.00	.99	2.03	6.35E+01	8.649E-05	8.210E-05	.010	8.721E-03	2.6171E-06	2.4843E-06	SINTUP	
29	91.44	-0.00	1.22	2.03	1.89E+01	2.578E-05	2.448E-05	.003	8.721E-03	7.8023E-07	7.4066E-07	SINTUP	
30	91.44	-0.00	1.52										
31	91.57	-0.00	2.03										
32	91.69	-0.00	1.77										
33	91.69	-0.00	1.51										
34	91.69	-0.00	1.22										
35	91.69	-0.00	.99										
36	91.69	-0.00	.75	2.03	9.84E+01	1.342E-04	1.274E-04	.015	8.745E-03	4.0598E-06	3.8537E-06	SINTON	
37	91.64	-0.00	.48	2.03	6.37E+02	8.687E-04	8.246E-04	.099	8.746E-03	2.6288E-05	2.4953E-05	SINTON	
38	91.69	-0.00	.27	2.03	2.67E+03	3.651E-03	3.465E-03	.417	8.746E-03	1.1047E-04	1.0486E-04	SINTON	
39	91.69	.72	.13	2.03	3.57E+03	4.871E-03	4.623E-03	.556	8.755E-03	1.4739E-04	1.3990E-04	SINTON	
40	91.74	-0.00	.05	2.03	3.82E+03	5.214E-03	4.949E-03	.596	8.751E-03	1.5778E-04	1.4976E-04	SINTON	
41	91.86	.32	0.00	2.03	4.62E+03	6.316E-03	5.995E-03	.720	8.772E-03	1.9112E-04	1.8140E-04	SINTON	
42	91.94	-0.00	0.00	2.03	4.10E+03	5.979E-03	6.623E-03	.796	8.770E-03	2.1118E-04	2.0043E-04	SINTON	
43	92.43	-0.00	0.00	2.03	5.59E+03	7.653E-03	7.263E-03	.868	8.818E-03	2.3158E-04	2.1978E-04	SINTON	
44	92.93	-0.00	0.00	2.03	5.21E+03	7.129E-03	6.766E-03	.804	8.869E-03	2.1573E-04	2.0476E-04	SINTON	
45	94.22	-0.00	0.00	2.03	4.89E+03	6.693E-03	6.352E-03	.744	8.994E-03	2.0253E-04	1.9221E-04	SINTON	
46	95.48	-0.00	0.00	2.03	4.78E+03	6.428E-03	6.101E-03	.704	9.130E-03	1.9453E-04	1.8462E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1158). C. BLUMER RSI TILE GAPS RUN(57) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
47	96.75	-0.00	0.00	2.03	5.15E+03	7.042E-03	6.683E-03	.758	9.284E-03	2.1309E-04	2.0224E-04	SINTON
48	99.29	-0.00	0.00	2.03	4.81E+03	6.586E-03	6.250E-03	.686	9.594E-03	1.9928E-04	1.8913E-04	SINTON
49	101.83	-0.00	0.00	2.03	4.70E+03	6.515E-03	6.183E-03	.657	9.920E-03	1.9714E-04	1.8710E-04	SINTON
50	104.38	-0.00	0.00	2.03	4.77E+03	6.517E-03	6.185E-03	.636	1.025E-02	1.9720E-04	1.8717E-04	SINTON
56	91.57	1.59	2.03									
57	91.69	1.59	1.51									
58	91.69	1.59	1.01									
59	91.69	1.59	.47	2.03	7.77E+02	1.061E-03	1.007E-03	.121	8.794E-03	3.2116E-05	3.0484E-05	SINTON
60	91.69	1.59	.26	2.03	2.78E+03	3.793E-03	3.600E-03	.431	8.794E-03	1.1477E-04	1.0893E-04	SINTON

RE/M= 2.498E+06

71	91.69	20.53	3.45									
72	91.69	20.53	3.01									
73	91.69	20.53	2.51									
74	91.69	20.53	2.01									
75	91.69	20.53	1.52									
76	91.69	20.53	1.24									
77	91.69	20.53	1.00									
78	91.69	20.53	.74	4.06	3.67E+01	4.068E-05	3.863E-05	.004	9.504E-03	1.2491E-06	1.1861E-06	SINTON
79	91.69	20.53	.50	4.06	4.60E+02	6.110E-04	5.801E-04	.064	9.504E-03	1.8766E-05	1.7813E-05	SINTON
80	91.69	20.53	.24	4.06	2.76E+03	3.668E-03	3.482E-03	.386	9.504E-03	1.1262E-04	1.0693E-04	SINTON
81	91.74	20.53	.05	4.06	4.07E+03	5.407E-03	5.133E-03	.569	9.507E-03	1.6602E-04	1.5762E-04	SINTON
82	91.93	20.53	0.00	4.06	5.66E+03	7.527E-03	7.146E-03	.791	9.520E-03	2.3111E-04	2.1941E-04	SINTON
83	92.46	20.53	0.00	4.06	6.10E+03	8.132E-03	7.720E-03	.851	9.555E-03	2.4971E-04	2.3706E-04	SINTON
84	92.96	20.53	0.00	4.06	5.76E+03	7.593E-03	7.208E-03	.792	9.588E-03	2.3315E-04	2.2133E-04	SINTON
85	94.21	20.53	0.00	4.06	5.69E+03	7.596E-03	7.211E-03	.785	9.671E-03	2.3325E-04	2.2142E-04	SINTON
86	95.51	20.53	0.06	4.06	5.30E+03	7.079E-03	6.720E-03	.726	9.748E-03	2.1738E-04	2.0634E-04	SINTON
87	96.76	20.53	0.00	4.06	5.21E+03	6.964E-03	6.611E-03	.710	9.806E-03	2.1385E-04	2.0299E-04	SINTON
88	99.29	20.53	0.00	4.06	5.04E+03	6.743E-03	6.400E-03	.679	9.924E-03	2.0704E-04	1.9651E-04	SINTON
89	101.83	20.53	0.00	4.06	5.50E+03	7.505E-03	7.123E-03	.731	1.026E-02	2.3045E-04	2.1872E-04	SINTON
90	104.38	20.53	0.00	4.06	5.32E+03	7.111E-03	6.749E-03	.666	1.068E-02	2.1836E-04	2.0725E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(58) 1973

TT = 1.1226E+03(K) CONF= 2.20
PT = 1.4410E+06(N/M2) GAP = .254 CM
HT = 1.1875E+06(J/KG) STEP = 0.000(CM)
RE/MLTEM= 4.5386E+06
MACH = 5.10
QS = 1.4390E+05(N/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.538E+06
1	91.09	-20.54	.75	1.02	2.91E+02	3.999E-04	3.795E-04	.027	1.455E-02	6.873bE-06	6.5231E-06	SINTON	
2	91.69	-20.54	.51	1.02	1.10E+03	1.514E-03	1.436E-03	.104	1.455E-02	2.602UE-05	2.4691E-05	SINTON	
3	91.69	-20.54	.26	1.02	4.36E+03	6.088E-03	6.459E-03	.468	1.455E-02	1.1762E-04	1.1103E-04	SINTON	
4	91.69	-20.22	.03	1.02	5.93E+03	8.179E-03	7.761E-03	.562	1.456E-02	1.4066E-04	1.3339E-04	SINTON	
5	91.74	-20.54	.05	1.02	7.15E+03	9.870E-03	9.364E-03	.678	1.456E-02	1.6965E-04	1.6096E-04	SINTON	
6	91.82	-20.22	0.00	1.02	7.99E+03	1.104E-02	1.048E-02	.758	1.457E-02	1.8979E-04	1.8006E-04	SINTON	
7	92.15	-20.54	0.00	1.02	9.51E+03	1.315E-02	1.247E-02	.901	1.460E-02	2.2598E-04	2.1439E-04	SINTON	
8	92.45	-20.54	0.00	1.02	1.10E+04	1.638E-02	1.554E-02	1.120	1.463E-02	2.8162E-04	2.6716E-04	SINTON	
9	92.93	-20.54	0.00	1.02	1.17E+04	1.613E-02	1.530E-02	1.099	1.468E-02	2.7710E-04	2.6294E-04	SINTON	
10	94.22	-20.54	0.00	1.02	1.10E+04	1.527E-02	1.449E-02	1.031	1.481E-02	2.6246E-04	2.4899E-04	SINTON	
11	95.46	-20.54	0.00	1.02	1.29E+04	1.785E-02	1.694E-02	1.169	1.527E-02	3.0688E-04	2.9113E-04	SINTON	
12	98.77	-20.54	0.00	1.02	1.33E+04	1.845E-02	1.751E-02	1.128	1.636E-02	3.1722E-04	3.0894E-04	SINTON	
13	99.31	-20.54	0.00	1.02	1.63E+04	2.252E-02	2.137E-02	1.219	1.847E-02	3.8717E-04	3.6733E-04	SINTON	
14	101.95	-20.54	0.00	1.02	1.69E+04	2.335E-02	2.216E-02	1.116	2.089E-02	4.0142E-04	3.8085E-04	SINTON	
15	104.39	-20.54	0.00	1.02	2.05E+04	2.828E-02	2.684E-02	1.207	2.342E-02	4.8619E-04	4.6129E-04	SINTON	
16	91.57	-20.54	1.02										
17	91.57	-19.96	1.02										
18	91.69	-19.96	.76	1.02	1.10E+02	1.506E-04	1.429E-04	.010	1.460E-02	2.5888E-06	2.4567E-06	SINTON	
19	91.69	-19.96	.51	1.02	8.42E+02	1.104E-03	1.047E-03	.076	1.460E-02	1.8969E-05	1.8001E-05	SINTON	
20	91.69	-19.96	.25	1.02	4.20E+03	5.809E-03	5.508E-03	.403	1.460E-02	1.0123E-04	9.6058E-05	SINTON	
													RE/M= 4.413E+06
21	88.30	-0.00	0.00	2.03	7.38E+03	9.935E-03	9.429E-03	.680	1.461E-02	1.7292E-04	1.6412E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	8.34E+03	1.126E-02	1.069E-02	.747	1.509E-02	1.9605E-04	1.8604E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	7.04E+03	9.498E-03	9.014E-03	.606	1.567E-02	1.6532E-04	1.5689E-04	SINTUP	
24	91.39	-0.00	.05	2.03	5.67E+03	7.646E-03	7.256E-03	.484	1.579E-02	1.3388E-04	1.2638E-04	SINTUP	
25	91.44	-0.00	.27	2.03	3.03E+03	4.016E-03	4.381E-03	.292	1.582E-02	8.0339E-05	7.6251E-05	SINTUP	
26	91.44	-0.00	.49	2.03	1.05E+03	1.379E-03	1.309E-03	.087	1.582E-02	2.4807E-05	2.2787E-05	SINTUP	
27	91.44	-0.00	.75	2.03	4.78E+02	6.419E-04	6.093E-04	.041	1.582E-02	1.1172E-05	1.0685E-05	SINTUP	
28	91.44	-0.00	.99	2.03	2.80E+02	3.746E-04	3.556E-04	.024	1.582E-02	6.5207E-06	6.1992E-06	SINTUP	
29	91.44	-0.00	1.22	2.03	1.42E+02	1.894E-04	1.798E-04	.012	1.582E-02	3.2967E-06	3.1388E-06	SINTUP	
30	91.44	-0.00	1.52										
31	91.57	-0.00	2.03										
32	91.69	-0.00	1.77										
33	91.69	-0.00	1.51										
34	91.69	-0.00	1.22	2.03	7.77E+01	1.044E-04	9.874E-05	.007	1.596E-02	1.8103E-06	1.7186E-06	SINTON	
35	91.69	-0.00	.99	2.03	2.87E+02	3.843E-04	3.646E-04	.024	1.596E-02	6.6884E-06	6.3495E-06	SINTON	
36	91.69	-0.00	.75	2.03	5.54E+02	7.434E-04	7.057E-04	.047	1.596E-02	1.2939E-05	1.2283E-05	SINTON	
37	91.69	-0.00	.48	2.03	1.23E+03	1.780E-03	1.689E-03	.111	1.596E-02	3.0974E-05	2.9401E-05	SINTON	
38	91.69	-0.00	.27	2.03	4.35E+03	6.056E-03	6.317E-03	.417	1.596E-02	1.1585E-04	1.0996E-04	SINTON	
39	91.69	.42	.13	2.03	7.32E+03	9.836E-03	9.337E-03	.614	1.601E-02	1.7121E-04	1.6251E-04	SINTON	
40	91.74	-0.00	.05	2.03	7.97E+03	1.061E-02	1.007E-02	.663	1.599E-02	1.8460E-04	1.7519E-04	SINTON	
41	91.86	.12	0.00	2.03	1.02E+04	1.369E-02	1.299E-02	.850	1.611E-02	2.3821E-04	2.2608E-04	SINTON	
42	91.94	-0.00	0.00	2.03	1.07E+04	1.446E-02	1.371E-02	.897	1.610E-02	2.5140E-04	2.3857E-04	SINTON	
43	92.43	-0.00	0.00	2.03	1.04E+04	1.407E-02	1.335E-02	.859	1.638E-02	2.4485E-04	2.3235E-04	SINTON	
44	92.95	-0.00	0.00	2.03	9.83E+03	1.327E-02	1.260E-02	.796	1.668E-02	2.3103E-04	2.1924E-04	SINTON	
45	94.72	-0.00	0.00	2.03	9.94E+03	1.340E-02	1.271E-02	.769	1.741E-02	2.3317E-04	2.2128E-04	SINTON	
46	98.48	-0.00	0.00	2.03	1.00E+04	1.432E-02	1.359E-02	.785	1.824E-02	2.4917E-04	2.3647E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1508), C. BLUMER RSI TILE GAPS RUN(58) 1973

PAGE 96

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MPEFF (KG/M2-S)	STL	STT	GAP-TYPE	
47	96.75	-0.00	0.00	2.03	1.29E+04	1.73E-02	1.64E-02	.983	1.92E-02	3.02E-04	2.87E-04	SINTDN	
48	99.29	-0.00	0.00	2.03	1.43E+04	1.93E-02	1.83E-02	.989	2.12E-02	3.35E-04	3.18E-04	SINTDN	
49	101.83	-0.00	0.00	2.03	1.64E+04	2.21E-02	2.10E-02	.993	2.34E-02	3.85E-04	3.65E-04	SINTDN	
50	104.38	-0.00	0.00	2.03	1.98E+04	2.65E-02	2.52E-02	1.031	2.57E-02	4.62E-04	4.39E-04	SINTDN	
56	91.57	1.59	2.03										
57	91.69	1.59	1.52							1.50E-04	1.58E-06	SINTDN	
58	91.69	1.59	1.01	2.03	6.79E+01	9.09E-05	0.63E-05	.086	1.62E-02	3.18E-05	2.96E-05	SINTDN	
59	91.69	1.59	.47	2.03	1.33E+03	1.78E-03	1.69E-03	.110	1.62E-02	1.19E-04	1.13E-04	SINTDN	
60	91.69	1.59	.26	2.03	5.12E+03	6.88E-03	6.53E-03	.424	1.62E-02				
												RE/M=	4.23E+06
71	91.69	20.53	3.45							9.27E-07	8.88E-07	SINTDN	
72	91.69	20.53	3.01							1.75E-05	1.66E-05	SINTDN	
73	91.69	20.53	2.51							1.17E-04	1.11E-04	SINTDN	
74	91.69	20.53	2.01							1.61E-04	1.53E-04	SINTDN	
75	91.59	20.53	1.52							2.40E-04	2.36E-04	SINTDN	
76	91.69	20.53	1.24							2.89E-04	2.74E-04	SINTDN	
77	91.69	20.53	1.00							2.89E-04	2.74E-04	SINTDN	
78	91.69	20.53	.74							2.89E-04	2.74E-04	SINTDN	
79	91.69	20.53	.50							3.08E-04	2.93E-04	SINTDN	
80	91.69	20.53	.24							3.08E-04	2.91E-04	SINTDN	
81	91.74	20.53	.35							3.40E-04	3.23E-04	SINTDN	
82	91.93	20.53	0.00							3.43E-04	3.26E-04	SINTDN	
83	92.46	20.53	0.00							4.38E-04	4.15E-04	SINTDN	
84	92.96	20.53	0.00							5.08E-04	4.82E-04	SINTDN	
85	94.21	20.53	0.00										
86	95.51	20.53	0.00										
87	96.76	20.53	0.00										
88	99.29	20.53	0.00										
89	101.83	20.53	0.00										
90	104.38	20.53	0.00										

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(59) 1973 PAGE 97

TT = 1.0466E+03(K) CONF= 2.20
PT = 4.9202E+05(N/M2) GAP = .127 CM
HT = 1.099?E+06(J/KG) STEP = 0.000(CM)
RE/METER= 1.742?E+06
[illegible] = 2.80
QS = 7.5609E+04(W/M2)
MAW/HT =0.987 FOR HT
MAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	1.742E+06
1	91.57	-20.56	.75	1.02	9.09E+01	1.395E-04	1.322E-04	.018	7.650E-03	6.6732E-06	6.3214E-06	SINTON	
2	91.57	-20.56	.51	1.02	3.82E+02	5.87bE-04	5.566E-04	.077	7.[illegible]2E-03	2.8167E-05	2.6625E-05	SINTON	
3	91.57	-20.56	.28	1.02	1.82E+03	2.801E-03	2.653E-03	.366	7.650E-03	1.3398E-04	1.2691E-04	SINTON	
4	91.57	-20.42	.03	1.02	2.24E+03	3.445E-03	3.263E-03	.451	7.634E-03	1.6477E-04	1.5608E-04	SINTON	
5	91.82	-20.56	.05	1.02	3.02E+03	4.638E-03	4.394E-03	.607	7.649E-03	2.2186E-04	2.1015E-04	SINTON	
6	91.69	-20.72	0.00	1.02	3.29E+03	5.067E-03	4.799E-03	.664	7.627E-03	2.4234E-04	2.2955E-04	SINTON	
7	92.02	-20.56	0.00	1.02	3.96E+03	6.089E-03	5.767E-03	.798	7.626E-03	2.9122E-04	2.7584E-04	SINTON	
8	92.32	-20.56	0.00	1.02	5.02E+03	7.724E-03	7.320E-03	1.016	7.610E-03	3.6966E-04	3.5014E-04	SINTON	
9	92.80	-20.56	0.00	1.02	4.98E+03	7.664E-03	7.259E-03	1.010	7.585E-03	3.6667E-04	3.4720E-04	SINTON	
10	94.03	-20.56	0.00	1.02	4.62E+03	7.109E-03	6.733E-03	.946	7.516E-03	3.4002E-04	3.2205E-04	SINTON	
11	95.34	-20.56	0.00	1.02	4.80E+03	7.491E-03	7.095E-03	1.004	7.460E-03	3.5028E-04	3.3935E-04	SINTON	
12	96.64	-20.56	0.00	1.02	5.03E+03	7.783E-03	7.372E-03	1.047	7.434E-03	3.7227E-04	3.5260E-04	SINTON	
13	99.19	-20.56	0.00	1.02	4.86E+03	7.479E-03	7.084E-03	1.013	7.384E-03	3.5772E-04	3.3882E-04	SINTON	
14	101.72	-20.56	0.00	1.02	4.66E+03	7.137E-03	6.760E-03	1.016	7.023E-03	3.4135E-04	3.2332E-04	SINTON	
15	104.27	-20.53	0.00	1.02	4.96E+03	7.630E-03	7.227E-03	1.171	6.514E-03	3.6496E-04	3.4568E-04	SINTON	
16	91.46	-20.53	1.02	1.02	1.40E+01	2.152E-05	2.039E-05	.003	7.657E-03	1.0295E-06	9.7529E-07	SINTON	
17	91.46	-19.34	1.02										
18	91.57	-19.34	.76	1.02	3.65E+01	5.611E-05	5.316E-05	.807	7.570E-03	2.6840E-06	2.5424E-06	SINTON	
19	91.57	-19.46	.51	1.02	3.10E+02	4.756E-04	4.506E-04	.063	7.570E-03	2.2750E-05	2.1550E-05	SINTON	
20	91.57	-19.34	.25	1.02	1.60E+03	2.465E-03	2.335E-03	.326	7.570E-03	1.1792E-04	1.1170E-04	SINTON	
												RE/M=	1.653E+06
21	88.90	-0.00	0.00	2.03	4.56E+03	6.879E-03	6.331E-03	.935	7.140E-03	3.2682E-04	3.0982E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	4.74E+03	6.947E-03	6.586E-03	.977	7.109E-03	3.3996E-04	3.2226E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	3.49E+03	5.114E-03	4.848E-03	.724	7.064E-03	2.5026E-04	2.3724E-04	SINTUP	
24	91.33	-0.00	.05	2.03	2.55E+03	3.736E-03	3.541E-03	.529	7.056E-03	1.8284E-04	1.7329E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.15E+03	1.681E-03	1.594E-03	.238	7.053E-03	8.2261E-05	7.7984E-05	SINTUP	
26	91.44	-0.00	.48	2.03	2.52E+02	3.682E-04	3.491E-04	.052	7.053E-03	1.8019E-05	1.7082E-05	SINTUP	
27	91.44	-0.00	.75	2.03	7.21E+01	1.054E-04	9.993E-05	.015	7.053E-03	5.1578E-06	4.8898E-06	SINTUP	
28	91.44	-0.00	.99										
29	91.44	-0.00	1.22	2.03	7.21E+00	1.053E-05	9.983E-06	.001	7.053E-03	5.1526E-07	4.8869E-07	SINTUP	
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51	2.03	2.05E+01	2.991E-05	2.835E-05	.004	7.048E-03	1.4634E-06	1.3875E-06	SINTON	
34	91.57	-0.00	1.22	2.03	1.09E+01	1.597E-05	1.514E-05	.002	7.048E-03	7.8129E-07	7.4072E-07	SINTON	
35	91.57	-0.00	.99	2.03	2.46E+01	3.592E-05	3.690E-05	.006	7.048E-03	1.9044E-06	1.8055E-06	SINTON	
36	91.57	-0.00	.75	2.03	9.48E+01	1.386E-04	1.314E-04	.020	7.048E-03	6.7832E-06	6.4307E-06	SINTON	
37	91.57	-0.00	.48	2.03	4.12E+02	6.028E-04	5.714E-04	.086	7.048E-03	2.9495E-05	2.7963E-05	SINTON	
38	91.57	-0.00	.27	2.03	1.62E+03	2.368E-03	2.245E-03	.336	7.048E-03	1.1598E-04	1.0997E-04	SINTON	
39	91.57	.82	.13	2.03	2.54E+03	3.713E-03	3.520E-03	.527	7.050E-03	1.8169E-04	1.7224E-04	SINTON	
40	91.62	-0.00	.05	2.03	2.83E+03	4.140E-03	3.925E-03	.589	7.046E-03	2.0298E-04	1.9242E-04	SINTON	
41	91.73	.82	0.00	2.03	3.71E+03	5.438E-03	5.155E-03	.772	7.043E-03	2.6610E-04	2.5225E-04	SINTON	
42	91.91	-0.00	0.00	2.03	4.14E+03	6.065E-03	5.749E-03	.862	7.037E-03	2.9670E-04	2.8132E-04	SINTON	
43	92.16	-0.00	0.00	2.03	4.67E+03	6.841E-03	6.485E-03	.975	7.016E-03	3.3478E-04	3.1734E-04	SINTON	
44	92.42	-0.00	0.00	2.03	4.54E+03	6.647E-03	6.301E-03	.950	6.993E-03	3.2525E-04	3.0831E-04	SINTON	
45	94.09	-0.00	0.00	2.03	4.31E+03	6.313E-03	5.984E-03	.910	6.937E-03	3.0891E-04	2.9282E-04	SINTON	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(59) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
46	95.35	-0.00	0.00	2.03	4.15E+03	6.082E-03	5.766E-03	.882	6.894E-03	2.9764E-04	2.8214E-04	SINTON
47	98.62	-0.00	0.00	2.03	4.50E+03	6.589E-03	6.246E-03	.958	6.880E-03	3.2241E-04	3.0502E-04	SINTON
48	99.17	-0.00	0.00	2.03	4.28E+03	6.269E-03	5.942E-03	.915	6.852E-03	3.0676E-04	2.9079E-04	SINTON
49	101.78	-0.00	0.00	2.03	4.23E+03	6.190E-03	5.868E-03	.919	6.732E-03	3.0290E-04	2.8712E-04	SINTON
58	104.25	-0.00	0.00	2.03	4.17E+03	6.104E-03	5.786E-03	.930	6.565E-03	2.9868E-04	2.8314E-04	SINTON
56	91.44	1.59	2.03	2.03	8.76E+00	1.279E-05	1.213E-05	.002	7.067E-03	6.2607E-07	5.9355E-07	SINTON
57	91.57	1.59	1.51									
58	91.57	1.59	1.01	2.03	8.30E+01	1.213E-04	1.150E-04	.017	7.062E-03	5.9338E-06	5.6256E-06	SINTON
59	91.57	1.59	.47	2.03	4.44E+02	6.493E-04	6.155E-04	.092	7.062E-03	3.1772E-05	3.0119E-05	SINTON
60	91.57	1.59	.26	2.03	2.76E+03	2.575E-03	2.441E-03	.365	7.062E-03	1.2602E-04	1.1946E-04	SINTON

RE/M= 1.617E+06

71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51	4.06	1.73E+01	2.463E-05	2.341E-05	.003	7.837E-03	1.2198E-06	1.1568E-06	SINTON
74	91.57	20.53	2.01	4.06	3.72E+01	5.322E-05	5.047E-05	.007	7.837E-03	2.6298E-06	2.4940E-06	SINTON
75	91.57	20.53	1.52	4.06	1.29E+01	1.851E-05	1.756E-05	.002	7.837E-03	9.1473E-07	8.6749E-07	SINTON
76	91.57	20.53	1.24	4.06	4.88E+01	6.988E-05	6.627E-05	.009	7.837E-03	3.4526E-06	3.2743E-06	SINTON
77	91.57	20.53	1.00	4.06	4.43E+01	6.341E-05	6.013E-05	.008	7.837E-03	3.1331E-06	2.9713E-06	SINTON
78	91.57	20.53	.74	4.06	5.96E+01	8.534E-05	8.093E-05	.011	7.837E-03	4.2166E-06	3.9987E-06	SINTON
79	91.57	20.53	.50	4.06	2.80E+02	4.013E-04	3.806E-04	.051	7.837E-03	1.9331E-05	1.8805E-05	SINTON
80	91.57	20.53	.24	4.06	1.85E+03	2.658E-03	2.521E-03	.339	7.837E-03	1.3133E-04	1.2454E-04	SINTON
81	91.62	20.53	.05	4.06	3.01E+03	4.317E-03	4.093E-03	.551	7.835E-03	2.1329E-04	2.0225E-04	SINTON
82	91.80	20.53	0.00	4.06	4.17E+03	5.988E-03	5.678E-03	.765	7.828E-03	2.9567E-04	2.8055E-04	SINTON
83	92.33	20.53	0.00	4.06	4.85E+03	6.965E-03	6.604E-03	.892	7.806E-03	3.4415E-04	3.2631E-04	SINTON
84	92.83	20.53	0.00	4.06	4.59E+03	6.600E-03	6.258E-03	.848	7.786E-03	3.2611E-04	3.0920E-04	SINTON
85	94.88	20.53	0.00	4.06	4.65E+03	6.688E-03	6.341E-03	.864	7.736E-03	3.3046E-04	3.1331E-04	SINTON
86	95.38	20.53	0.00	4.06	4.44E+03	6.394E-03	6.062E-03	.832	7.682E-03	3.1593E-04	2.9954E-04	SINTON
87	96.64	20.53	0.00	4.06	4.44E+03	6.388E-03	6.057E-03	.838	7.625E-03	3.1566E-04	2.9928E-04	SINTON
88	99.17	20.53	0.00	4.06	4.42E+03	6.373E-03	6.042E-03	.849	7.509E-03	3.1489E-04	2.9853E-04	SINTON
89	101.78	20.53	0.00	4.06	4.91E+03	7.081E-03	6.713E-03	.968	7.378E-03	3.4989E-04	3.3178E-04	SINTON
90	104.25	20.53	0.00	4.06	4.58E+03	6.600E-03	6.257E-03	.912	7.248E-03	3.2612E-04	3.0917E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(69) 1973 PAGE 99

TT = 1.1881E+03(K) CONF= 2.20
PT = 8.1955E+05(N/M2) GAP = .127 CM
HT = 1.2637E+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.3434E+06
MACH = 5.10
QS = 1.1766E+05(N/M2)
MAW/HT =6.987 FOR HT
MAW/HT =6.876 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPS (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.343E+06
1	91.57	-20.54	.75	1.02	1.56E+02	1.967E-04	1.869E-04	.024	8.131E-03	6.2118E-06	5.9623E-06	SINTON	
2	91.57	-20.54	.51	1.02	5.51E+02	6.947E-04	6.601E-04	.085	8.131E-03	2.1935E-05	2.0841E-05	SINTON	
3	91.57	-20.54	.28	1.02	2.37E+03	2.988E-03	2.838E-03	.367	8.131E-03	9.4327E-05	8.9618E-05	SINTON	
4	91.57	-20.22	.09	1.02	2.70E+03	3.401E-03	3.387E-03	.428	8.125E-03	1.0992E-04	1.0443E-04	SINTON	
5	91.62	-20.54	.05	1.02	3.40E+03	4.291E-03	4.077E-03	.528	8.127E-03	1.3550E-04	1.2873E-04	SINTON	
6	91.69	-20.22	0.00	1.02	3.63E+03	4.592E-03	4.363E-03	.566	8.116E-03	1.4499E-04	1.3774E-04	SINTON	
7	92.02	-20.54	0.00	1.02	4.44E+03	5.605E-03	5.325E-03	.692	8.096E-03	1.7698E-04	1.6813E-04	SINTON	
8	92.32	-20.54	0.00	1.02	5.97E+03	7.547E-03	7.169E-03	.935	8.073E-03	2.3828E-04	2.2636E-04	SINTON	
9	92.90	-20.54	0.00	1.02	5.87E+03	7.425E-03	7.053E-03	.924	8.036E-03	2.3443E-04	2.2269E-04	SINTON	
10	94.03	-20.54	0.00	1.02	5.24E+03	6.631E-03	6.299E-03	.835	7.937E-03	2.0935E-04	1.9887E-04	SINTON	
11	95.34	-20.54	0.00	1.02	5.44E+03	6.885E-03	6.540E-03	.876	7.862E-03	2.1737E-04	2.0649E-04	SINTON	
12	96.64	-20.54	0.00	1.02	5.27E+03	6.669E-03	6.335E-03	.850	7.843E-03	2.1055E-04	2.0002E-04	SINTON	
13	99.18	-20.54	0.00	1.02	5.67E+03	7.167E-03	6.808E-03	.918	7.806E-03	2.2628E-04	2.1496E-04	SINTON	
14	101.72	-20.54	0.00	1.02	5.37E+03	6.785E-03	6.445E-03	.917	7.400E-03	2.1422E-04	2.0350E-04	SINTON	
15	104.27	-20.53	0.00	1.02	5.73E+03	7.245E-03	6.883E-03	1.063	6.818E-03	2.2875E-04	2.1732E-04	SINTON	
16	91.44	-20.53	1.02										
17	91.44	-18.34	1.02										
18	91.57	-18.34	.76	1.02	1.88E+01	2.372E-05	2.254E-05	.003	8.102E-03	7.4884E-07	7.1151E-07	SINTON	
19	91.57	-18.34	.51	1.02	3.54E+02	4.592E-04	4.363E-04	.057	8.102E-03	1.4500E-05	1.3776E-05	SINTON	
20	91.57	-18.34	.25	1.02	1.79E+03	2.254E-03	2.141E-03	.278	8.102E-03	7.1165E-05	6.7613E-05	SINTON	
													RE/M= 2.384E+06
21	88.90	-0.00	0.00	2.03	5.96E+03	7.428E-03	7.058E-03	.936	7.934E-03	2.3637E-04	2.2460E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	6.31E+03	7.869E-03	7.476E-03	.990	7.951E-03	2.5039E-04	2.3790E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	4.64E+03	5.779E-03	5.491E-03	.724	7.979E-03	1.8390E-04	1.7474E-04	SINTUP	
24	91.39	-0.00	.05	2.03	3.33E+03	4.153E-03	3.946E-03	.520	7.985E-03	1.3214E-04	1.2556E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.51E+03	1.879E-03	1.786E-03	.235	7.986E-03	5.9793E-05	5.6817E-05	SINTUP	
26	91.44	-0.00	.46	2.03	3.29E+02	4.091E-04	3.887E-04	.051	7.986E-03	1.3016E-05	1.2369E-05	SINTUP	
27	91.44	-0.00	.75	2.03	8.09E+01	1.005E-04	9.553E-05	.013	7.986E-03	3.1989E-06	3.0399E-06	SINTUP	
28	91.44	-0.00	.99										
29	91.44	-0.00	1.22										
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51										
34	91.57	-0.00	1.22	2.03	5.44E-01	6.752E-07	6.417E-07	.000	7.989E-03	2.1486E-08	2.0419E-08	SINTON	
35	91.57	-0.00	.91	2.03	4.94E+01	6.124E-05	5.820E-05	.008	7.989E-03	1.9488E-06	1.8520E-06	SINTON	
36	91.57	-0.00	.75	2.03	1.10E+02	1.364E-04	1.296E-04	.017	7.989E-03	4.3411E-06	4.1254E-06	SINTON	
37	91.57	-0.00	.48	2.03	5.44E+02	6.761E-04	6.424E-04	.085	7.989E-03	2.1513E-05	2.0443E-05	SINTON	
38	91.57	-0.00	.27	2.03	2.22E+03	2.765E-03	2.627E-03	.346	7.989E-03	8.7976E-05	8.3599E-05	SINTON	
39	91.57	.32	.13	2.03	3.42E+03	4.248E-03	4.036E-03	.531	7.994E-03	1.3517E-04	1.2844E-04	SINTON	
40	91.62	-0.00	.05	2.03	3.75E+03	4.664E-03	4.431E-03	.584	7.991E-03	1.4840E-04	1.4101E-04	SINTON	
41	91.73	.32	0.00	2.03	4.93E+03	6.217E-03	5.907E-03	.777	7.993E-03	1.9764E-04	1.8798E-04	SINTON	
42	91.81	-0.00	0.00	2.03	5.56E+03	6.933E-03	6.587E-03	.867	7.996E-03	2.2061E-04	2.0960E-04	SINTON	
43	92.30	-0.00	0.00	2.03	6.20E+03	7.728E-03	7.343E-03	.965	8.010E-03	2.4592E-04	2.3365E-04	SINTON	
44	92.82	-0.00	0.00	2.03	5.95E+03	7.426E-03	7.055E-03	.925	8.024E-03	2.3629E-04	2.2449E-04	SINTON	
45	94.09	-0.00	0.00	2.03	5.56E+03	6.937E-03	6.591E-03	.861	8.059E-03	2.2075E-04	2.0974E-04	SINTON	
46	95.35	-0.00	0.00	2.03	5.42E+03	6.762E-03	6.425E-03	.836	8.086E-03	2.1519E-04	2.0446E-04	SINTON	
47	96.62	-0.00	0.00	2.03	6.02E+03	7.503E-03	7.129E-03	.927	8.093E-03	2.3876E-04	2.2684E-04	SINTON	
48	99.17	-0.00	0.00	2.03	5.64E+03	7.030E-03	6.680E-03	.867	8.106E-03	2.2371E-04	2.1255E-04	SINTON	

MCDONNELL DOUGLAS ASTRONAUTICS COMPANY - EAST

AMES 3.5 FT WIND TUNNEL TEST(1501). C. BLUMER RSI TILE GAPS RUN1 60) 1973

RE/M= 2.223E+06

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
49	101.70	-0.00	0.00	2.03	5.65E+03	7.039E-03	6.668E-03	.872	8.075E-03	2.239BE-04	2.1281E-04	SINTOM
50	104.25	-0.08	0.00	2.03	5.63E+03	7.007E-03	6.658E-03	.874	8.022E-03	2.2298E-04	2.1187E-04	SINTOM
56	91.44	1.59	2.03	2.03	4.33E+01	5.365E-05	5.099E-05	.007	8.018E-03	1.7072E-06	1.6225E-06	SINTOM
57	91.57	1.59	1.51									
58	91.57	1.59	1.01									
59	91.57	1.59	.47	2.03	6.10E+02	7.590E-04	7.212E-04	.095	8.014E-03	2.4152E-05	2.2950E-05	SINTOM
60	91.57	1.59	.26	2.03	2.48E+03	2.981E-03	2.833E-03	.372	8.014E-03	9.4859E-05	9.0146E-05	SINTOM
71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51									
74	91.57	20.53	2.01									
75	91.57	20.53	1.52	4.06	1.19E+01	1.427E-05	1.356E-05	.002	8.271E-03	4.614BE-07	4.3873E-07	SINTOM
76	91.57	20.53	1.24									
77	91.57	20.53	1.00									
78	91.57	20.53	.74	4.06	5.73E+01	6.906E-05	6.565E-05	.008	8.271E-03	2.2336E-06	2.1234E-06	SINTOM
79	91.57	20.53	.50	4.06	3.75E+02	4.522E-04	4.299E-04	.055	8.271E-03	1.4628E-05	1.3905E-05	SINTOM
80	91.57	20.53	.24	4.06	2.31E+03	2.793E-03	2.655E-03	.338	8.271E-03	9.0336E-05	8.5869E-05	SINTOM
81	91.62	20.53	.05	4.06	3.57E+03	4.310E-03	4.104E-03	.522	8.271E-03	1.3966E-04	1.3275E-04	SINTOM
82	91.88	20.53	0.00	4.06	5.27E+03	6.378E-03	6.062E-03	.771	8.269E-03	2.0629E-04	1.9606E-04	SINTOM
83	92.33	20.53	0.00	4.06	6.15E+03	7.467E-03	7.091E-03	.903	8.262E-03	2.4135E-04	2.2937E-04	SINTOM
84	92.83	20.53	0.00	4.06	4.97E+03	7.245E-03	6.885E-03	.878	8.256E-03	2.3433E-04	2.2269E-04	SINTOM
85	94.88	20.53	0.00	4.06	6.01E+03	7.308E-03	6.944E-03	.887	8.241E-03	2.3637E-04	2.2461E-04	SINTOM
86	95.38	20.53	0.00	4.06	5.80E+03	6.903E-03	6.560E-03	.840	8.218E-03	2.2329E-04	2.1218E-04	SINTOM
87	98.64	20.53	0.00	4.06	5.59E+03	6.797E-03	6.459E-03	.831	8.177E-03	2.1986E-04	2.0892E-04	SINTOM
88	99.17	20.53	0.00	4.06	5.36E+03	6.519E-03	6.194E-03	.805	8.096E-03	2.1087E-04	2.0036E-04	SINTOM
89	101.70	20.53	0.00	4.06	5.88E+03	7.162E-03	6.805E-03	.885	8.093E-03	2.3167E-04	2.2011E-04	SINTOM
90	104.25	20.53	0.00	4.06	5.53E+03	6.736E-03	6.400E-03	.829	8.129E-03	2.1786E-04	2.0701E-04	SINTOM

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(61) 1973 PAGE 181

TT = 1.1425E+03(K) CONF= 2.20
PT = 1.4434E+06(N/M2) GAP = .127 CM
HT = 1.2104E+06(J/KG) STEP = 0.000(CM)
RE/METER= 4.4111E+06
MACH = 5.10
QS = 1.4701E+05(W/M2)
MAW/HT =0.967 FOR HT
MAW/HT =0.974 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	4.411E+06
1	91.57	-20.54	.75	1.02	2.03E+02	2.720E-04	2.582E-04	.019	1.414E-02	4.7326E-06	4.4920E-06	SINTON	
2	91.57	-20.54	.51	1.02	8.21E+02	1.106E-03	1.049E-03	.078	1.414E-02	1.9233E-05	1.8253E-05	SINTON	
3	91.57	-20.54	.28	1.02	4.34E+03	5.859E-03	5.560E-03	.414	1.414E-02	1.0192E-04	9.6720E-05	SINTON	
4	91.57	-20.22	.09	1.02	5.74E+03	7.748E-03	7.352E-03	.548	1.414E-02	1.3479E-04	1.2790E-04	SINTON	
5	91.62	-20.54	.05	1.02	8.03E+03	1.084E-02	1.029E-02	.767	1.414E-02	1.8866E-04	1.7902E-04	SINTON	
6	91.69	-20.22	0.00	1.02	9.30E+03	1.257E-02	1.193E-02	.888	1.416E-02	2.1869E-04	2.0750E-04	SINTON	
7	92.02	-20.54	0.00	1.02	1.12E+04	1.517E-02	1.440E-02	1.070	1.418E-02	2.6397E-04	2.5046E-04	SINTON	
8	92.32	-20.54	0.00	1.02	1.43E+04	1.942E-02	1.842E-02	1.366	1.421E-02	3.3783E-04	3.2052E-04	SINTON	
9	92.93	-20.54	0.00	1.02	1.44E+04	1.952E-02	1.851E-02	1.369	1.426E-02	3.3949E-04	3.2209E-04	SINTON	
10	94.09	-20.54	0.00	1.02	1.40E+04	1.890E-02	1.793E-02	1.314	1.438E-02	3.2876E-04	3.1192E-04	SINTON	
11	95.34	-20.54	0.00	1.02	1.64E+04	2.214E-02	2.101E-02	1.503	1.473E-02	3.8517E-04	3.6543E-04	SINTON	
12	96.54	-20.54	0.00	1.02	1.66E+04	2.244E-02	2.129E-02	1.426	1.573E-02	3.9029E-04	3.7029E-04	SINTON	
13	99.18	-20.54	0.00	1.02	1.98E+04	2.678E-02	2.541E-02	1.514	1.769E-02	4.6585E-04	4.4202E-04	SINTON	
14	101.72	-20.54	0.00	1.02	2.00E+04	2.699E-02	2.561E-02	1.356	1.991E-02	4.6957E-04	4.4554E-04	SINTON	
15	104.27	-20.53	0.00	1.02	2.38E+04	3.215E-02	3.051E-02	1.445	2.225E-02	5.5932E-04	5.3072E-04	SINTON	
16	91.44	-20.53	1.02										
17	91.44	-18.34	1.02										
18	91.57	-18.34	.76	1.02	6.83E+01	6.499E-05	6.168E-05	.005	1.416E-02	1.1305E-06	1.0730E-06	SINTON	
19	91.57	-18.34	.51	1.02	5.87E+02	7.896E-04	7.494E-04	.056	1.416E-02	1.3736E-05	1.3036E-05	SINTON	
20	91.57	-18.34	.25	1.02	3.51E+03	4.727E-03	4.486E-03	.334	1.416E-02	8.2240E-05	7.8047E-05	SINTON	
												RE/M=	4.221E+06
21	88.90	-0.00	0.00	2.03	7.47E+03	9.707E-03	9.216E-03	.780	1.386E-02	1.7225E-04	1.6353E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	8.34E+03	1.087E-02	1.032E-02	.761	1.428E-02	1.9290E-04	1.8310E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	6.57E+03	8.556E-03	8.122E-03	.577	1.482E-02	1.5182E-04	1.4412E-04	SINTUP	
24	91.39	-0.00	.05	2.03	5.07E+03	6.594E-03	6.260E-03	.442	1.492E-02	1.1701E-04	1.1109E-04	SINTUP	
25	91.44	-0.00	.27	2.03	2.75E+03	3.574E-03	3.393E-03	.239	1.495E-02	6.3410E-05	6.0203E-05	SINTUP	
26	91.44	-0.00	.48	2.03	6.44E+02	8.354E-04	7.932E-04	.056	1.495E-02	1.4824E-05	1.4075E-05	SINTUP	
27	91.44	-0.00	.75	2.03	1.71E+02	2.216E-04	2.104E-04	.015	1.495E-02	3.9317E-06	3.7334E-06	SINTUP	
28	91.44	-0.00	.99										
29	91.44	-0.00	1.22										
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51										
34	91.57	-0.00	1.22	2.03	1.31E+01	1.689E-05	1.604E-05	.001	1.502E-02	2.9974E-07	2.8465E-07	SINTON	
35	91.57	-0.00	.99	2.03	5.25E+01	6.786E-05	6.444E-05	.005	1.502E-02	1.2042E-06	1.1435E-06	SINTON	
36	91.57	-0.00	.75	2.03	2.04E+02	2.645E-04	2.512E-04	.018	1.502E-02	4.6939E-06	4.4571E-06	SINTON	
37	91.57	-0.00	.48	2.03	8.44E+02	1.148E-03	1.088E-03	.076	1.502E-02	2.0327E-05	1.9300E-05	SINTON	
38	91.57	-0.00	.27	2.03	3.75E+03	4.869E-03	4.623E-03	.324	1.502E-02	8.6404E-05	8.2036E-05	SINTON	
39	91.57	.12	.13	2.03	5.67E+03	7.357E-03	6.986E-03	.488	1.506E-02	1.3056E-04	1.2396E-04	SINTON	
40	91.62	-0.00	.05	2.03	5.94E+03	7.584E-03	7.200E-03	.504	1.504E-02	1.3457E-04	1.2776E-04	SINTON	
41	91.73	.32	0.00	2.03	8.17E+03	1.061E-02	1.007E-02	.700	1.515E-02	1.8829E-04	1.7876E-04	SINTON	
42	91.91	-0.00	0.00	2.03	8.84E+03	1.150E-02	1.092E-02	.760	1.514E-02	2.0412E-04	1.9377E-04	SINTON	
43	92.30	-0.00	0.00	2.03	9.53E+03	1.242E-02	1.179E-02	.806	1.540E-02	2.2034E-04	2.0916E-04	SINTON	
44	92.82	-0.00	0.00	2.03	9.14E+03	1.196E-02	1.135E-02	.763	1.568E-02	2.1224E-04	2.0147E-04	SINTON	
45	94.03	-0.00	0.00	2.03	9.54E+03	1.241E-02	1.178E-02	.759	1.634E-02	2.2017E-04	2.0901E-04	SINTON	
46	96.35	-0.00	0.00	2.03	1.01E+04	1.314E-02	1.247E-02	.769	1.708E-02	2.3313E-04	2.2131E-04	SINTON	
47	98.82	-0.00	0.00	2.03	1.23E+04	1.602E-02	1.521E-02	.890	1.800E-02	2.8428E-04	2.6987E-04	SINTON	
48	99.17	-0.00	0.00	2.03	1.13E+04	1.470E-02	1.396E-02	.912	1.985E-02	3.2121E-04	3.0496E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(61) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
49	101.70	-0.00	0.00	2.03	1.62E+04	2.108E-02	2.081E-02	.963	2.189E-02	3.7397E-04	3.5503E-04	SINTON
50	104.25	-0.00	0.00	2.03	1.96E+04	2.551E-02	2.422E-02	1.061	2.404E-02	4.5260E-04	4.2970E-04	SINTON
56	91.44	1.59	2.03									
57	91.57	1.59	1.51									
58	91.57	1.59	1.01	2.03	3.33E+01	4.302E-05	4.086E-05	.003	1.525E-02	7.6345E-07	7.2501E-07	SINTON
59	91.57	1.59	.47	2.03	1.09E+03	1.409E-03	1.338E-03	.092	1.525E-02	2.4998E-05	2.3735E-05	SINTON
60	91.57	1.59	.26	2.03	4.28E+03	5.551E-03	5.270E-03	.364	1.525E-02	9.8495E-05	9.3513E-05	SINTON

RE/M= 4.867E+06

71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51									
74	91.57	20.53	2.01									
75	91.57	20.53	1.52									
76	91.57	20.53	1.24									
77	91.57	20.53	1.00									
78	91.57	20.53	.74	4.06	4.89E+00	6.131E-06	5.824E-06	.000	1.848E-02	1.1065E-07	1.0511E-07	SINTON
79	91.57	20.53	.50	4.06	5.51E+02	6.920E-04	6.573E-04	.037	1.848E-02	1.2489E-05	1.1863E-05	SINTON
80	91.57	20.53	.24	4.06	4.24E+03	5.327E-03	5.059E-03	.288	1.848E-02	9.6126E-05	9.1300E-05	SINTON
81	91.62	20.53	.05	4.06	6.21E+03	7.830E-03	7.436E-03	.423	1.850E-02	1.4136E-04	1.3419E-04	SINTON
82	91.80	20.53	0.00	4.06	9.43E+03	1.191E-02	1.131E-02	.641	1.857E-02	2.1499E-04	2.0415E-04	SINTON
83	92.33	20.53	0.00	4.06	1.16E+04	1.471E-02	1.397E-02	.784	1.878E-02	2.6555E-04	2.5214E-04	SINTON
84	92.93	20.53	0.00	4.06	1.18E+04	1.493E-02	1.418E-02	.787	1.897E-02	2.6951E-04	2.5587E-04	SINTON
85	94.08	20.53	0.00	4.06	1.26E+04	1.601E-02	1.520E-02	.823	1.945E-02	2.8889E-04	2.7425E-04	SINTON
86	95.38	20.53	0.00	4.06	1.23E+04	1.563E-02	1.483E-02	.782	1.999E-02	2.8201E-04	2.6771E-04	SINTON
87	96.64	20.53	0.00	4.06	1.36E+04	1.731E-02	1.643E-02	.839	2.062E-02	3.1235E-04	2.9658E-04	SINTON
88	99.17	20.53	0.00	4.06	1.36E+04	1.739E-02	1.651E-02	.794	2.189E-02	3.1383E-04	2.9787E-04	SINTON
89	101.78	20.53	0.00	4.06	1.74E+04	2.223E-02	2.110E-02	.949	2.344E-02	4.0125E-04	3.8088E-04	SINTON
90	104.25	20.53	0.00	4.06	2.02E+04	2.573E-02	2.442E-02	1.024	2.513E-02	4.6435E-04	4.4073E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(62) 1973

TT = 1.1271E+03(K) CONF= 2.20
PI = 4.6682E+05(N/M2) GAP = .063 CM
HI = 1.1926E+06(J/KG) STEP = 0.000(CM)
RE/METER= 1.4403E+06
MACH = 5.13
OS = 3.1360E+04(W/M2)
MAW/MT =0.387 FOR HT
MAW/MT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAP? (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.440E+06
1	91.50	-20.54	.75	1.02	6.23E+01	8.551E-05	8.113E-05	.012	7.432E-03	4.612E-06	4.376E-06		SINTOP
2	91.50	-20.54	.51	1.02	2.59E+02	3.564E-04	3.381E-04	.048	7.432E-03	1.922E-05	1.824E-05		SINTOP
3	91.50	-20.54	.28	1.02	1.32E+03	1.818E-03	1.724E-03	.245	7.432E-03	9.805E-05	9.302E-05		SINTOP
4	91.50	-20.22	.05	1.02	1.00E+03	2.289E-03	2.172E-03	.309	7.410E-03	1.234E-04	1.171E-04		SINTOP
5	91.50	-20.22	.05	1.02	2.39E+03	3.245E-03	3.079E-03	.437	7.430E-03	1.750E-04	1.660E-04		SINTOP
6	91.53	-20.54	.05	1.02	2.72E+03	3.740E-03	3.548E-03	.503	7.405E-03	2.017E-04	1.913E-04		SINTOP
7	91.96	-20.54	0.00	1.02	3.26E+03	4.494E-03	4.264E-03	.606	7.414E-03	2.424E-04	2.300E-04		SINTOP
8	92.20	-20.54	0.00	1.02	4.31E+03	5.963E-03	5.636E-03	.803	7.403E-03	3.187E-04	3.023E-04		SINTOP
9	92.74	-20.54	0.00	1.02	4.29E+03	5.909E-03	5.605E-03	.800	7.383E-03	2.980E-04	2.834E-04		SINTOP
10	94.03	-20.54	0.00	1.02	4.02E+03	5.539E-03	5.255E-03	.755	7.333E-03	2.893E-04	2.932E-04		SINTOP
11	95.27	-20.54	0.00	1.02	4.16E+03	5.730E-03	5.436E-03	.786	7.269E-03	3.091E-04	3.091E-04		SINTOP
12	96.50	-20.54	0.00	1.02	4.40E+03	6.040E-03	5.731E-03	.832	7.263E-03	3.064E-04	2.909E-04		SINTOP
13	99.12	-20.54	0.00	1.02	4.13E+03	5.685E-03	5.393E-03	.788	7.212E-03	2.907E-04	2.758E-04		SINTOP
14	101.66	-20.54	0.00	1.02	3.92E+03	5.390E-03	5.114E-03	.782	6.897E-03	3.056E-04	2.901E-04		SINTOP
15	104.20	-20.53	0.00	1.02	4.12E+03	5.670E-03	5.379E-03	.880	6.440E-03				
16	91.38	-20.53	1.02							4.211E-07	3.999E-07	SINTOP	
17	91.38	-18.34	.76	1.02	5.60E+00	7.807E-06	7.408E-06	.001	7.323E-03	1.392E-05	1.321E-05	SINTOP	
18	91.50	-18.34	.51	1.02	1.88E+02	2.582E-04	2.449E-04	.035	7.323E-03	7.788E-05	7.389E-05	SINTOP	
19	91.50	-18.34	.25	1.02	1.05E+03	1.444E-03	1.370E-03	.197	7.323E-03				
20	91.50	-18.34											RE/M= 1.406E+06
21	88.30	-0.00	0.00	2.03	4.52E+03	6.091E-03	5.780E-03	.884	6.887E-03	3.321E-04	3.151E-04		SINTOP
22	90.17	-0.00	0.00	2.03	4.67E+03	6.304E-03	5.981E-03	.921	6.841E-03	3.437E-04	3.261E-04		SINTOP
23	91.19	-0.00	0.00	2.03	3.54E+03	4.785E-03	4.540E-03	.706	6.777E-03	2.609E-04	2.475E-04		SINTOP
24	91.39	-0.00	.05	2.03	2.54E+03	3.425E-03	3.250E-03	.506	6.764E-03	1.867E-04	1.772E-04		SINTOP
25	91.44	-0.00	.27	2.03	9.95E+02	1.342E-03	1.273E-03	.198	6.761E-03	7.316E-05	6.942E-05		SINTOP
26	91.44	-0.00	.48	2.03	1.68E+02	2.260E-04	2.145E-04	.033	6.761E-03	1.232E-05	1.169E-05		SINTOP
27	91.44	-0.00	.75	2.03	2.43E+01	3.270E-05	3.103E-05	.005	6.761E-03	1.783E-06	1.692E-06		SINTOP
28	91.44	-0.00	.99										
29	91.44	-0.00	1.22										
30	91.44	-0.00	1.52										
31	91.38	-0.00	2.03										
32	91.50	-0.00	1.77							2.364E-07	2.240E-07	SINTOP	
33	91.50	-0.00	1.51	2.03	3.22E+00	4.328E-06	4.110E-06	.001	6.757E-03	2.075E-06	1.969E-06	SINTOP	
34	91.50	-0.00	1.22	2.03	2.43E+01	3.036E-05	3.612E-05	.006	6.757E-03	2.673E-06	2.537E-06	SINTOP	
35	91.50	-0.00	.95	2.03	3.66E+01	4.903E-05	4.655E-05	.007	6.757E-03	4.408E-06	4.183E-06	SINTOP	
36	91.50	-0.00	.75	2.03	6.31E+01	8.084E-05	7.672E-05	.012	6.757E-03	2.241E-05	2.126E-05	SINTOP	
37	91.50	-0.00	.48	2.03	3.05E+02	4.113E-04	3.900E-04	.061	6.757E-03	9.080E-05	8.616E-05	SINTOP	
38	91.50	-0.00	.27	2.03	1.24E+03	1.665E-03	1.580E-03	.246	6.757E-03	1.547E-04	1.468E-04	SINTOP	
39	91.50	-0.00	.13	2.03	2.11E+03	2.837E-03	2.692E-03	.420	6.758E-03	1.768E-04	1.678E-04	SINTOP	
40	91.50	-0.00	.05	2.03	2.49E+03	3.240E-03	3.075E-03	.480	6.749E-03	2.291E-04	2.464E-04	SINTOP	
41	91.50	-0.00	.02	2.03	3.31E+03	4.763E-03	4.520E-03	.706	6.741E-03	2.856E-04	2.711E-04	SINTOP	
42	91.67	-0.00	.02	2.01	3.31E+03	5.238E-03	4.970E-03	.777	6.710E-03	3.302E-04	3.133E-04	SINTOP	
43	91.76	-0.00	0.00	2.03	3.88E+03	5.746E-03	5.456E-03	.903	6.677E-03	3.256E-04	3.088E-04	SINTOP	
44	92.24	-0.00	0.00	2.03	3.49E+03	5.056E-03	4.801E-03	.893	6.677E-03	3.100E-04	2.942E-04	SINTOP	
45	92.76	-0.00	0.00	2.03	4.42E+03	6.490E-03	6.161E-03	.862	6.596E-03	3.037E-04	2.882E-04	SINTOP	
46	94.03	-0.00	0.00	2.03	4.22E+03	5.687E-03	5.286E-03	.853	6.535E-03	3.280E-04	3.112E-04	SINTOP	
47	95.27	-0.00	0.00	2.03	4.13E+03	5.571E-03	5.286E-03	.920	6.538E-03				
	96.50	-0.00	0.00	2.03	4.46E+03	6.016E-03	5.709E-03						

AMES 3.5 FT WIND TUNNEL TEST(1150). G. BLUMER RSI TILE GAPS RUN(62) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPU (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.383E+06
48	99.10	-0.00	0.00	2.03	4.21E+03	5.776E-03	5.481E-03	.863	6.544E-03	3.1496E-04	2.9087E-04	SINTDM	
49	101.64	-0.00	0.00	2.03	4.27E+03	5.753E-03	5.459E-03	.892	6.450E-03	3.1371E-04	2.9709E-04	SINTDM	
50	104.19	-0.00	0.00	2.03	4.32E+03	5.810E-03	5.521E-03	.924	6.380E-03	3.1724E-04	3.0104E-04	SINTDM	
56	91.38	1.59	2.03	2.03	1.44E+02	1.931E-04	1.833E-04	.028	6.787E-03	1.0529E-05	9.9929E-06	SINTDM	
57	91.50	1.59	1.51	2.03	7.30E+01	9.815E-05	9.315E-05	.014	6.778E-03	5.3521E-06	5.0793E-06	SINTDM	
58	91.50	1.59	1.01	2.03	3.03E+02	4.089E-04	3.881E-04	.060	6.778E-03	2.2299E-05	2.1161E-05	SINTDM	
59	91.50	1.59	.47	2.03	1.40E+03	1.882E-03	1.786E-03	.276	6.778E-03	1.0265E-04	9.7407E-05	SINTDM	
60	91.50	1.59	.25	2.03	1.40E+03								
71	91.50	20.53	3.45	0.00	2.04E+01	2.629E-05	2.496E-05	.003	7.039E-03	1.4636E-06	1.3890E-06	SINTDM	
72	91.50	20.53	3.01	0.00	3.06E+01	3.946E-05	3.747E-05	.005	7.039E-03	2.1960E-06	2.0860E-06	SINTDM	
73	91.50	20.53	2.51	0.00	5.32E-01	6.874E-07	6.527E-07	.000	7.039E-03	3.8267E-08	3.6337E-08	SINTDM	
74	91.50	20.53	2.01	0.00									
75	91.50	20.53	1.52										
76	91.50	20.53	1.24	0.00	4.34E+03	5.612E-03	5.329E-03	.001	7.039E-03	3.1243E-07	2.9666E-07	SINTDM	
77	91.50	20.53	1.00	0.00	6.74E+01	8.713E-05	8.273E-05	.011	7.039E-03	4.8508E-06	4.6058E-06	SINTDM	
78	91.50	20.53	.74	0.00	1.74E+02	2.249E-04	2.136E-04	.029	7.039E-03	1.2523E-05	1.1894E-05	SINTDM	
79	91.50	20.53	.50	0.00	1.47E+03	1.897E-03	1.801E-03	.242	7.039E-03	1.0562E-04	1.0028E-04	SINTDM	
80	91.50	20.53	.24	0.00	1.47E+03	1.897E-03	1.801E-03	.242	7.039E-03	1.0562E-04	1.0028E-04	SINTDM	
81	91.55	20.53	.05	0.00	2.58E+03	3.310E-03	3.150E-03	.423	7.037E-03	1.8473E-04	1.7538E-04	SINTDM	
82	91.74	20.53	3.00	0.00	3.79E+03	4.913E-03	4.664E-03	.627	7.038E-03	2.7349E-04	2.5964E-04	SINTDM	
83	92.27	20.53	3.00	0.00	4.49E+03	5.826E-03	5.530E-03	.746	7.803E-03	3.2432E-04	3.0788E-04	SINTDM	
84	92.77	20.53	3.00	0.00	4.35E+03	5.666E-03	5.360E-03	.725	7.709E-03	3.1433E-04	2.9838E-04	SINTDM	
85	94.82	20.53	3.00	0.00	4.49E+03	5.839E-03	5.543E-03	.755	7.739E-03	3.2509E-04	3.0858E-04	SINTDM	
86	95.32	20.53	3.00	0.00	4.20E+03	5.534E-03	5.253E-03	.720	7.687E-03	3.0808E-04	2.9244E-04	SINTDM	
87	96.57	20.53	3.00	0.00	4.16E+03	5.414E-03	5.139E-03	.709	7.639E-03	3.0140E-04	2.8609E-04	SINTDM	
88	99.18	20.53	3.00	0.00	4.06E+03	5.297E-03	4.989E-03	.697	7.562E-03	2.9264E-04	2.7776E-04	SINTDM	
89	101.64	20.53	3.00	0.00	4.38E+03	5.718E-03	5.419E-03	.771	7.407E-03	3.1706E-04	3.0169E-04	SINTDM	
90	104.19	20.53	3.00	0.00	4.34E+03	5.643E-03	5.356E-03	.776	7.250E-03	3.1414E-04	2.9818E-04	SINTDM	

AMES 3.5 FT WIND TUNNEL TEST(1308). G. BLUNEN RSI TILE GAPS RUN(63) 1973 PAGE 185

TI = 1.1277E+03(K) CONF= 2.20
PI = 9.2609E+03(N/M2) GAP = .063 CM
HT = 1.1928E+06(J/KG) STEP = 0.000(CM)
RL/METER= 2.5821E+06
MACH = 3.10
CS = 1.0895E-05(N/M2)
MAN/HT =0.987 FOR HT
MAN/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPU (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 2.502E+06
1	91.30	-20.34	.75	1.02	9.02E+01	6.809E-05	8.536E-05	.000	8.767E-03	2.073UE-06	1.9666E-06	SINTOM	
2	91.50	-20.54	.51	1.02	3.65E+02	4.991E-04	4.735E-04	.057	8.767E-03	1.5018E-05	1.4248E-05	SINTOM	
3	91.50	-20.54	.28	1.02	1.80E+03	2.472E-03	2.345E-03	.282	8.767E-03	7.4393E-05	7.0575E-05	SINTOM	
4	91.50	-20.22	.09	1.02	2.20E+03	3.137E-03	2.976E-03	.358	8.758E-03	9.4399E-05	8.9551E-05	SINTOM	
5	91.50	-20.54	.05	1.02	2.82E+03	3.890E-03	3.691E-03	.444	8.765E-03	1.1767E-04	1.1105E-04	SINTOM	
6	91.63	-20.22	0.00	1.02	3.08E+03	4.240E-03	4.030E-03	.485	8.753E-03	1.2784E-04	1.2127E-04	SINTOM	
7	91.96	-20.54	0.00	1.02	3.81E+03	5.258E-03	4.980E-03	.601	8.767E-03	1.5823E-04	1.5010E-04	SINTOM	
8	92.20	-20.54	0.00	1.02	5.42E+03	7.483E-03	7.095E-03	.856	8.738E-03	2.2508E-04	2.1349E-04	SINTOM	
9	92.74	-20.54	0.00	1.02	5.34E+03	7.377E-03	6.997E-03	.847	8.712E-03	2.2199E-04	2.1056E-04	SINTOM	
10	94.03	-20.54	0.00	1.02	4.84E+03	6.628E-03	6.287E-03	.766	8.655E-03	1.9946E-04	1.8919E-04	SINTOM	
11	95.27	-20.34	0.00	1.02	4.98E+03	6.854E-03	6.501E-03	.795	8.624E-03	2.0625E-04	1.9564E-04	SINTOM	
12	96.58	-20.54	0.00	1.02	5.71E+03	7.869E-03	7.465E-03	.906	8.684E-03	2.3678E-04	2.2463E-04	SINTOM	
13	99.12	-20.54	0.00	1.02	5.26E+03	7.254E-03	6.881E-03	.824	8.808E-03	2.1828E-04	2.0785E-04	SINTOM	
14	101.46	-20.34	0.00	1.02	4.95E+03	6.825E-03	6.476E-03	.787	8.670E-03	2.0537E-04	1.9481E-04	SINTOM	
15	104.20	-20.11	0.00	1.02	5.43E+03	7.484E-03	7.099E-03	.898	8.408E-03	2.2519E-04	2.1361E-04	SINTOM	
16	91.30	-20.51	1.02										
17	91.30	-18.34	1.02										
18	91.50	-18.34	.76										
19	91.50	-18.34	.51	1.02	1.53E+02	2.106E-04	2.074E-04	.025	8.726E-03	6.5706E-06	6.2414E-06	SINTOM	
20	91.50	-18.34	.25	1.02	9.43E+02	1.298E-03	1.231E-03	.149	8.724E-03	3.985BE-05	3.7855E-05	SINTOM	
													RE/M= 2.461E+06
21	88.30	-0.00	0.00	2.03	5.54E+03	7.327E-03	6.955E-03	.884	8.288E-03	2.2527E-04	2.1382E-04	SINTUP	
22	90.17	-6.03	0.00	2.03	5.93E+03	7.849E-03	7.449E-03	.942	8.338E-03	2.4138E-04	2.2908E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	4.39E+03	5.812E-03	5.516E-03	.692	8.408E-03	1.7868E-04	1.6959E-04	SINTUP	
24	91.39	-0.30	.05	2.03	3.07E+03	4.056E-03	3.848E-03	.482	8.416E-03	1.2463E-04	1.1829E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.21E+03	1.600E-03	1.519E-03	.190	8.417E-03	4.9205E-05	4.6703E-05	SINTUP	
26	91.44	-6.33	.48	2.03	2.59E+02	3.420E-04	3.246E-04	.041	8.411E-03	1.0514E-05	9.9833E-06	SINTUP	
27	91.44	-0.00	.75	2.03	8.84E+00	1.165E-05	1.106E-05	.001	8.417E-03	3.5800E-07	3.3991E-07	SINTUP	
28	91.44	-0.00	.99										
29	91.44	-0.00	1.22										
30	91.44	-0.00	1.52										
31	91.38	-0.30	2.03										
32	91.50	-0.00	1.77										
33	91.50	-0.00	1.51										
34	91.50	-0.00	1.22										
35	91.50	-0.30	.99										
36	91.50	-0.00	.75	2.03	4.77E+01	6.286E-05	5.967E-05	.007	8.422E-03	1.1327E-06	1.0347E-06	SINTOM	
37	91.50	-0.00	.48	2.03	3.50E+02	4.618E-04	4.384E-04	.055	8.422E-03	1.4199E-05	1.3478E-05	SINTOM	
38	91.50	-0.03	.27	2.03	1.53E+03	2.021E-03	1.918E-03	.240	8.422E-03	6.2137E-05	5.8980E-05	SINTOM	
39	91.30	-0.30	.13	2.03	2.40E+03	3.273E-03	3.108E-03	.388	8.429E-03	1.0061E-04	9.5583E-05	SINTOM	
40	91.55	-0.30	.05	2.03	2.61E+03	3.444E-03	3.269E-03	.409	8.425E-03	1.0590E-04	1.0051E-04	SINTOM	
41	91.57	-.32	0.00	2.03	4.30E+03	5.706E-03	5.491E-03	.685	8.441E-03	1.7707E-04	1.6883E-04	SINTOM	
42	91.74	-0.00	0.00	2.03	5.03E+03	6.651E-03	6.312E-03	.788	8.438E-03	2.0447E-04	1.9406E-04	SINTOM	
43	92.76	-0.03	0.00	2.03	5.80E+03	7.758E-03	7.363E-03	.916	8.473E-03	2.3853E-04	2.2638E-04	SINTOM	
44	92.76	-0.03	0.00	2.03	5.74E+03	7.543E-03	7.159E-03	.887	8.509E-03	2.3196E-04	2.2009E-04	SINTOM	
45	94.03	-0.03	0.00	2.03	5.45E+03	7.081E-03	6.839E-03	.838	8.596E-03	2.2155E-04	2.1027E-04	SINTOM	
46	95.29	-0.03	0.00	2.03	5.32E+03	7.041E-03	6.682E-03	.811	8.605E-03	2.1646E-04	2.0544E-04	SINTOM	
47	96.56	-0.03	0.00	2.03	5.93E+03	7.843E-03	7.446E-03	.893	8.778E-03	2.4113E-04	2.2885E-04	SINTOM	
48	99.10	-0.03	0.00	2.03	5.66E+03	7.487E-03	7.106E-03	.835	8.966E-03	2.3019E-04	2.1848E-04	SINTOM	
49	101.64	-0.03	0.00	2.03	5.63E+03	7.446E-03	7.065E-03	.814	9.146E-03	2.2885E-04	2.1721E-04	SINTOM	
50	104.19	-0.30	0.00	2.03	5.71E+03	7.545E-03	7.161E-03	.810	9.318E-03	2.3195E-04	2.2016E-04	SINTOM	
56	91.30	1.53	2.03	2.03	2.14E+03	2.812E-03	2.669E-03	.333	8.451E-03	8.6443E-05	8.2067E-05	SINTOM	
57	91.50	1.53	1.51										

AMES 3.5 FT WIND TUNNEL TEST(1158). G. BLUMER RSI TILE GAPS RUN# 63) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (LB/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
										6.5212E-08	6.1908E-08	SINTDM	
								.000	8.460E-03	1.0238E-05	1.7311E-05	SINTDM	
58	91.56	1.59	1.01	2.03	1.01E+03	2.121E-06	2.014E-06	.070	8.460E-03	7.4371E-05	7.0590E-05	SINTDM	
59	91.50	1.59	.47	2.03	4.49E+02	5.932E-04	5.631E-04	.286	8.460E-03				
60	91.50	1.39	.20	2.03	1.83E+03	2.419E-03	2.296E-03					RE/M=	2.365E+06
71	91.50	20.53	3.45							6.8330E-07	6.4869E-07	SINTDM	
72	91.50	20.53	3.01							4.9164E-07	4.6693E-07	SINTDM	
73	91.50	20.53	2.51										
74	91.50	20.53	2.01	4.06	1.72E+01	2.184E-05	2.074E-05	.002	8.941E-03	2.5973E-07	2.4666E-07	SINTDM	
75	91.50	20.53	1.52	4.06	1.23E+01	1.572E-05	1.493E-05	.002	8.941E-03				
76	91.50	20.53	1.24										
77	91.50	20.53	1.00	4.06	6.51E+00	8.303E-06	7.886E-06	.001	8.941E-03	9.8382E-06	9.3425E-06	SINTDM	
78	91.50	20.53	.74							7.0777E-05	6.7289E-05	SINTDM	
79	91.50	20.53	.50	4.06	2.40E+02	3.145E-04	2.987E-04	.035	8.941E-03	1.1859E-04	1.1261E-04	SINTDM	
80	91.50	20.53	.24	4.06	1.77E+03	2.263E-03	2.149E-03	.253	8.941E-03	1.8003E-04	1.7093E-04	SINTDM	
81	91.55	20.53	.02	4.05	2.98E+03	3.791E-03	3.600E-03	.424	8.943E-03	2.1731E-04	2.0631E-04	SINTDM	
82	91.74	20.53	0.00	4.06	4.49E+03	5.755E-03	5.466E-03	.643	8.948E-03	2.1722E-04	2.0626E-04	SINTDM	
83	92.27	20.53	0.00	4.06	5.41E+03	6.947E-03	6.595E-03	.775	8.965E-03	2.1882E-04	2.0771E-04	SINTDM	
84	92.77	20.53	0.00	4.06	5.44E+03	6.995E-03	6.640E-03	.773	8.981E-03	2.0816E-04	1.9753E-04	SINTDM	
85	94.02	20.53	0.00	4.06	5.17E+03	6.653E-03	6.315E-03	.776	9.019E-03	2.0867E-04	1.9624E-04	SINTDM	
86	95.32	20.53	0.00	4.06	5.13E+03	6.609E-03	6.274E-03	.735	9.053E-03	2.0867E-04	1.9624E-04	SINTDM	
87	96.57	20.53	0.00	4.06	4.94E+03	6.376E-03	6.052E-03	.729	9.067E-03	1.9945E-04	1.8931E-04	SINTDM	
88	99.18	20.53	0.00	4.06	5.48E+03	7.078E-03	6.717E-03	.781	9.095E-03	2.1139E-04	2.1012E-04	SINTDM	
89	101.84	20.53	0.00	4.06	5.48E+03	7.078E-03	6.717E-03	.784	9.265E-03	2.1343E-04	2.0250E-04	SINTDM	
90	104.19	20.53	0.00	4.06	5.29E+03	6.823E-03	6.476E-03	.717	9.513E-03				

AMES 3.5 FT WIND TUNNEL TEST(1508), C. 9LUMER RSI TILE GAPS RUN# 64) 1973 PAGE 187

IT = 1.1237E+03(K) CONF= 2.20
PT = 1.4655E+06(N/M2) GAP = .063 CM
HT = 1.1886E+07(J/KG) STEP = 0.000(CM)
RE/METER= 4.593UE+06
MACH = 5.10
QS = 1.4633E+05(N/M2)
MAN/MT =0.987 FOR MT
MAN/MT =6.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MRLFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 4.590E+06
1	91.50	-20.54	.75	1.02	1.86E+02	2.28E-04	2.16E-04	.616	1.47E-02	3.67S7E-06	3.6772E-06	SINTDN	
2	91.50	-20.54	.51	1.02	7.24E+02	1.00ZE-03	9.50E-04	.068	1.47E-02	1.7011E-05	1.6137E-05	SINTDN	
3	91.50	-20.54	.28	1.02	3.84E+03	5.322E-03	5.06E-03	.362	1.47E-02	9.0367E-05	8.5715E-05	SINTDN	
4	91.50	-20.22	.39	1.02	5.12E+03	7.103E-03	6.73E-03	.483	1.47E-02	1.20b0E-04	1.1438E-04	SINTDN	
5	91.55	-20.54	.05	1.62	7.62E+03	9.745E-03	9.24E-03	.663	1.47E-02	1.6547E-04	1.5694E-04	SINTDN	
6	91.63	-20.22	0.00	1.02	7.81E+03	1.08bE-02	1.03E-02	.738	1.47ZE-02	1.8437E-04	1.7485E-04	SINTDN	
7	91.96	-20.54	0.00	1.02	9.81E+03	1.36b4E-02	1.29E-02	.925	1.47ZE-02	2.31b6E-04	2.1980E-04	SINTDN	
8	92.2b	-2..34	0.00	1.02	1.32E+04	1.84bE-02	1.74bE-02	1.245	1.477E-02	3.1234E-04	2.9614E-04	SINTDN	
9	92.74	-20.54	0.00	1.02	1.34E+04	1.867E-02	1.770E-02	1.259	1.482E-02	3.1697E-04	3.0057E-04	SINTDN	
10	96.03	-20.54	0.00	1.02	1.20E+04	1.779E-02	1.687E-02	1.190	1.495E-02	3.0205E-04	2.8642E-04	SINTDN	
11	95.27	-20.54	0.00	1.02	1.50E+04	2.097E-02	1.989E-02	1.372	1.529E-02	3.5600E-04	3.3763E-04	SINTDN	
12	96.56	-20.54	0.00	1.02	1.49E+04	2.069E-02	1.963E-02	1.261	1.641E-02	3.5130E-04	3.3324E-04	SINTDN	
13	99.12	-20.54	0.00	1.02	1.02E+04	2.533E-02	2.402E-02	1.362	1.859E-02	4.30b2E-04	4.0781E-04	SINTDN	
14	101.66	-20.54	0.00	1.02	1.02E+04	2.538E-02	2.407E-02	1.206	2.195E-02	4.3092E-04	4.0866E-04	SINTDN	
15	104.20	-20.53	0.00	1.02	2.19E+04	3.04BE-02	2.883E-02	1.285	2.366E-02	5.1622E-04	4.8957E-04	SINTDN	
16	91.38	-20.53	1.02										
17	91.38	-19.34	1.32										
18	91.50	-19.34	.76										
19	91.56	-18.94	.51	1.02	2.71E+02	3.7b2E-04	3.550E-04	.025	1.473E-02	6.3542E-06	6.0278E-06	SINTDN	
20	91.50	-18.94	.25	1.02	2.33E+03	3.219E-03	3.054E-03	.219	1.473E-02	5.4665E-05	5.1853E-05	SINTDN	
21	88.36	-0.00	0.00	2.03	7.03E+03	1.039E-02	9.857E-03	.723	1.437E-02	1.0862E-04	1.7140E-04	SINTUP	RE/M= 4.352E+06
22	90.17	-0.00	0.00	2.03	8.91E+03	1.107E-02	1.126E-02	.800	1.483E-02	2.0636E-04	1.9579E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	7.08E+03	9.416E-03	8.935E-03	.612	1.540E-02	1.6374E-04	1.5537E-04	SINTUP	
24	91.33	-0.00	.65	2.03	5.07E+03	6.734E-03	6.390E-03	.434	1.551E-02	1.1710E-04	1.1112E-04	SINTUP	
25	91.44	-0.00	.27	2.03	2.11E+03	2.803E-03	2.660E-03	.180	1.556E-02	4.8746E-05	4.6253E-05	SINTUP	
26	91.44	-0.00	.40	2.03	4.57E+02	6.054E-04	5.745E-04	.039	1.554E-02	1.0527E-05	9.9908E-06	SINTUP	
27	91.44	-0.00	.75	2.03	2.92E+01	3.857E-05	3.661E-05	.002	1.554E-02	6.7008E-07	6.3669E-07	SINTUP	
28	91.44	-0.00	.39										
29	91.44	-0.00	1.22										
30	91.44	-0.00	1.22										
31	91.38	-0.00	2.03										
32	91.50	-0.00	1.77										
33	91.56	-0.00	1.51										
34	91.50	-0.00	1.22										
35	91.56	-0.00	.99										
36	91.50	-0.00	.75	2.03	7.44E+01	9.89E-05	9.395E-05	.006	1.557E-02	1.7212E-06	1.6337E-06	SINTDN	
37	91.50	-0.00	.49	2.03	8.10E+02	8.070E-04	.659E-04	.052	1.557E-02	1.4033E-05	1.3318E-05	SINTDN	
38	91.50	-0.00	.27	2.03	2.62E+03	3.508E-03	3.333E-03	.225	1.557E-02	6.1011E-05	5.7902E-05	SINTDN	
39	91.50	.32	.13	2.03	4.42E+03	5.848E-03	5.550E-03	.374	1.562E-02	1.0169E-04	9.6514E-05	SINTDN	
40	91.55	-0.00	.35	2.03	4.49E+03	5.956E-03	5.652E-03	.382	1.563E-02	1.0358E-04	9.8293E-05	SINTDN	
41	91.67	.32	0.00	2.03	7.72E+03	1.024E-02	9.716E-03	.651	1.572E-02	1.7807E-04	1.6899E-04	SINTDN	
42	91.74	-0.00	0.00	2.03	8.62E+03	1.146E-02	1.087E-02	.729	1.571E-02	1.9922E-04	1.8903E-04	SINTDN	
43	92.26	-0.00	0.00	2.03	1.01E+04	1.336E-02	1.268E-02	.836	1.599E-02	2.3240E-04	2.2051E-04	SINTDN	
44	92.76	-0.00	0.00	2.03	9.80E+03	1.314E-02	1.247E-02	.807	1.628E-02	2.2849E-04	2.1680E-04	SINTDN	
45	96.03	-0.00	0.00	2.03	1.02E+04	1.349E-02	1.280E-02	.794	1.699E-02	2.3457E-04	2.2258E-04	SINTDN	
46	95.27	-0.00	0.00	2.03	1.05E+04	1.390E-02	1.320E-02	.787	1.775E-02	2.4305E-04	2.3064E-04	SINTDN	
47	96.56	-0.00	0.00	2.03	1.02E+04	1.667E-02	1.582E-02	.690	1.873E-02	2.8987E-04	2.7506E-04	SINTDN	
48	99.10	-0.00	0.00	2.03	1.36E+04	1.790E-02	1.700E-02	.869	2.060E-02	3.1269E-04	2.9673E-04	SINTDN	
49	101.64	-0.00	0.00	2.03	1.53E+04	2.026E-02	1.922E-02	.887	2.283E-02	3.5228E-04	3.3429E-04	SINTDN	
50	104.19	-0.00	0.00	2.03	1.82E+04	2.416E-02	2.293E-02	.963	2.509E-02	4.2020E-04	3.9877E-04	SINTDN	
56	91.38	1.59	2.03	2.03	2.96E+02	3.891E-04	3.695E-04	.025	1.576E-02	6.7670E-06	6.4247E-06	SINTDN	
57	91.50	1.59	1.51										
58	91.50	1.59	1.01										

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILL GAPS RUN(66) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
59	91.50	1.59	.47	2.03	7.29E+02	9.644E-04	9.152E-04	.061	1.583E-02	1.6770E-05	1.5916E-05	SINTON
60	91.50	1.54	.26	2.03	3.30E+03	4.370E-03	4.155E-03	.277	1.503E-02	7.6136E-05	7.2254E-05	SINTON
											RE/M=	4.102E+06
71	91.50	20.53	3.45	4.06	3.43E+01	4.361E-05	4.142E-05	.002	1.920E-02	7.7204E-07	7.3326E-07	SINTON
72	91.50	20.53	3.01									
73	91.50	20.53	2.51									
74	91.50	20.53	2.01									
75	91.50	20.53	1.52									
76	91.50	20.53	1.24									
77	91.50	20.53	1.00									
78	91.50	20.53	.74									
79	91.50	20.53	.50	4.06	4.17E+02	5.332E-04	5.063E-04	.020	1.920E-02	9.4400E-06	8.9634E-06	SINTON
80	91.56	20.53	.24	4.06	3.21E+03	4.108E-03	3.901E-03	.214	1.920E-02	7.2739E-05	6.9081E-05	SINTON
81	91.55	20.53	.05	4.06	9.66E+03	6.229E-03	5.913E-03	.324	1.922E-02	1.1028E-04	1.0469E-04	SINTON
82	91.74	20.53	0.00	4.06	7.74E+03	9.956E-03	9.450E-03	.516	1.930E-02	1.7627E-04	1.6731E-04	SINTON
83	92.27	20.53	0.00	4.06	9.56E+03	1.233E-02	1.170E-02	.632	1.951E-02	2.1825E-04	2.0713E-04	SINTON
84	92.77	20.53	0.00	4.06	9.74E+03	1.258E-02	1.194E-02	.639	1.971E-02	2.2278E-04	2.1142E-04	SINTON
85	94.82	20.53	0.00	4.06	1.04E+04	1.342E-02	1.273E-02	.664	2.020E-02	2.3755E-04	2.2548E-04	SINTON
86	95.32	20.53	+.00	+.06	1.80E+04	1.296E-02	1.230E-02	.624	2.077E-02	2.2951E-04	2.1777E-04	SINTON
87	96.57	20.53	0.00	+.06	1.89E+04	1.410E-02	1.338E-02	.658	2.144E-02	2.4964E-04	2.3686E-04	SINTON
88	99.18	20.53	0.00	+.06	1.10E+04	1.426E-02	1.352E-02	.626	2.279E-02	2.5241E-04	2.3946E-04	SINTON
89	101.84	20.53	0.00	+.06	1.39E+04	1.817E-02	1.724E-02	.765	2.438E-02	3.2173E-04	3.0519E-04	SINTON
90	104.19	20.53	0.00	+.06	1.59E+04	2.071E-02	1.965E-02	.793	2.611E-02	3.6665E-04	3.4783E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILE GAPS RUN1 65) 1973

TT = 1.10A7E+03(K) CONF= 2.20
PI = 4.825bE+05(N/M2) GAP = .127 CM
MI = 1.1857E+06(J/KG) STEP = .159(CM)
RE/%LITER= 1.49>0E+06
MACH = 7.10
QS = 7.9295E+04(N/M2)
MAW/MT =0.907 FOR MT
MAW/MT =0.874 FOR MI

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 1.498E+06
1	91.57	-20.34	.75	1.02	2.02E+02	2.858E-04	2.711E-04	.038	7.470E-03	1.5129E-25	1.4196E-25	SINTOM	
2	91.57	-20.34	.51	1.02	1.01E+03	1.432E-03	1.359E-03	.192	7.470E-03	7.5027E-05	7.1914E-05	SINTOM	
3	91.57	-20.34	.28	1.02	3.25E+03	4.609E-03	4.371E-03	.617	7.470E-03	2.4390E-04	2.3138E-04	SINTOM	
4	91.57	-20.32	.09	1.02	3.42E+03	4.843E-03	4.592E-03	.650	7.449E-03	2.5035E-04	2.4311E-04	SINTOM	
5	91.62	-20.24	.05	1.02	9.22E+03	5.974E-03	5.665E-03	.800	7.468E-03	3.1622E-04	2.9988E-04	SINTOM	
6	91.69	-20.22	0.06	1.02	4.93E+03	6.992E-03	6.630E-03	.939	7.443E-03	3.7012E-04	3.5099E-04	SINTOM	
7	92.02	-20.54	0.00	1.02	6.31E+03	8.946E-03	8.484E-03	1.201	7.451E-03	4.7359E-04	4.4911E-04	SINTOM	
8	92.32	-20.54	0.00	1.02	6.66E+03	9.449E-03	8.960E-03	1.270	7.439E-03	5.0014E-04	4.7433E-04	SINTOM	
9	92.98	-20.34	0.00	1.02	5.91E+03	8.361E-03	7.968E-03	1.130	7.418E-03	4.4367E-04	4.2073E-04	SINTOM	
10	94.09	-20.34	0.00	1.02	5.08E+03	7.199E-03	6.823E-03	.963	7.364E-03	3.7531E-04	3.5591E-04	SINTOM	
11	95.46	-20.34	0.00	1.02	4.93E+03	6.932E-03	6.574E-03	.947	7.319E-03	3.6697E-04	3.4801E-04	SINTOM	
12	96.89	-20.54	0.00	1.02	4.85E+03	6.857E-03	6.504E-03	.940	7.293E-03	3.6298E-04	3.4420E-04	SINTOM	
13	99.10	-20.34	0.00	1.02	4.61E+03	6.526E-03	6.189E-03	.901	7.242E-03	3.4545E-04	3.2761E-04	SINTOM	
14	101.72	-20.34	0.00	1.02	4.32L+03	6.127E-03	5.811E-03	.807	6.911E-03	3.2435E-04	3.0759E-04	SINTOM	
15	104.27	-20.33	0.00	1.02	4.55E+03	6.422E-03	6.090E-03	.997	6.444E-03	3.3995E-04	3.2239E-04	SINTOM	
16	91.46	-24.53	1.02										
17	91.46	-18.44	1.02										
18	91.57	-18.44	.76	1.02	1.47E+02	1.998E-04	1.807E-04	.027	7.366E-03	1.0533E-05	9.989JE-06	SINTOM	
19	91.57	-19.34	.51	1.02	8.84E+02	1.132E-03	1.074E-03	.154	7.366E-03	5.9947E-05	5.6854E-05	SINTOM	
20	91.57	-18.34	.25	1.02	2.75E+03	3.897E-03	3.696E-03	.529	7.366E-03	2.0636E-04	1.9565E-04	SINTOM	
												RE/M= 1.44JE+06	
21	88.98	-6.00	0.00	2.03	3.54E+03	4.646E-03	4.599E-03	.788	6.924E-03	2.6083E-04	2.4747E-04	SINTOF	
22	90.17	-6.00	0.00	2.03	2.54E+03	3.491E-03	3.312E-03	.567	6.888E-03	1.8705E-04	1.7822E-04	SINTOF	
23	91.19	-6.00	0.00	2.03	1.55E+03	2.121E-03	2.013E-03	.311	6.819E-03	1.1414E-04	1.0838E-04	SINTOF	
24	91.33	-6.00	.05	2.03	1.06E+03	1.449E-03	1.374E-03	.213	6.806E-03	7.7946E-05	7.3954E-05	SINTOF	
25	91.46	-6.00	.27	2.03	4.62E+02	6.331E-04	6.007E-04	.093	6.803E-03	3.4067E-05	3.2323E-05	SINTOF	
26	91.46	-6.00	.48	2.03	1.48E+02	2.038E-04	1.926E-04	.030	6.803E-03	1.0922E-05	1.0363E-05	SINTOF	
27	91.46	-6.00	.75	2.03	3.68E+01	4.922E-05	4.671E-05	.007	6.803E-03	2.6085E-06	2.5130E-06	SINTOF	
28	91.46	-6.00	.99	2.03	1.82E+01	2.497E-05	2.369E-05	.004	6.803E-03	1.3436E-06	1.2749E-06	SINTOF	
29	91.46	-6.00	1.22										
30	91.46	-6.00	1.52										
31	91.46	-6.00	2.03										
32	91.57	-6.00	1.77										
33	91.57	-6.00	1.51	2.03	3.23E+00	4.419E-06	4.193E-06	.001	6.795E-03	2.3771E-07	2.2562E-07	SINTON	
34	91.57	-6.00	1.22	2.03	2.44E+01	3.283E-05	3.115E-05	.005	6.795E-03	1.7665E-06	1.6762E-06	SINTON	
35	91.57	-6.00	.99	2.03	9.49E+01	1.272E-04	1.207E-04	.019	6.795E-03	6.8445E-06	6.4965E-06	SINTON	
36	91.57	-6.00	.75	2.03	1.81E+02	2.472E-04	2.346E-04	.036	6.795E-03	1.3302E-05	1.2621E-05	SINTON	
37	91.57	-6.00	.44	2.03	7.75E+02	1.062E-03	1.008E-03	.156	6.795E-03	5.7145E-05	5.4220E-05	SINTON	
38	91.57	-6.00	.27	2.03	3.00E+03	4.119E-03	3.908E-03	.606	6.795E-03	2.2162E-04	2.1027E-04	SINTON	
39	91.57	.12	.13	2.03	4.10E+03	5.704E-03	5.412E-03	.839	6.799E-03	3.0692E-04	2.9128E-04	SINTOM	
40	91.62	-6.00	.05	2.03	4.71E-03	6.469E-03	6.137E-03	.952	6.792E-03	3.4884E-04	3.3028E-04	SINTOM	
41	91.73	.12	0.00	2.03	6.15E+03	8.443E-03	8.010E-03	1.244	6.789E-03	4.5426E-04	4.3098E-04	SINTOM	
42	91.81	-6.00	0.00	2.03	6.87E+03	9.435E-03	8.951E-03	1.391	6.781E-03	5.0764E-04	4.8160E-04	SINTOM	
43	92.30	-6.00	0.00	2.03	6.51E+03	8.939E-03	8.480E-03	1.324	6.751E-03	4.8095E-04	4.5627E-04	SINTOM	
44	92.92	-6.00	0.00	2.03	5.81E+03	7.980E-03	7.571E-03	1.188	6.719E-03	4.2936E-04	4.0734E-04	SINTOM	
45	94.04	-6.00	0.00	2.03	5.11E+03	7.012E-03	6.652E-03	1.056	6.642E-03	3.7727E-04	3.5793E-04	SINTOM	
46	95.15	-6.00	0.00	2.03	4.76E+03	6.448E-03	6.117E-03	.979	6.587E-03	3.4692E-04	3.2914E-04	SINTOM	

AMES 3.5 FT WIND TUNNEL TEST(1568). C. BLUMER RSI TILE GAPS RUN(65) 1973

T/L	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
67	96.62	-0.00	0.00	2.03	4.49E+03	6.706E-03	6.363E-03	1.018	6.588E-03	3.6684E-04	3.4235E-04	SINTON	
68	99.17	-0.00	0.00	2.03	4.49E+03	6.154E-03	5.839E-03	.934	6.589E-03	3.3112E-04	3.1415E-04	SINTON	
69	101.70	-0.00	0.00	2.03	4.37E+03	5.996E-03	5.689E-03	.924	6.497E-03	3.2264E-04	3.0618E-04	SINTON	
56	104.25	-0.00	0.00	2.03	4.34E+03	5.949E-03	5.644E-03	.939	6.335E-03	3.2010E-04	3.0378E-04	SINTON	
56	91.44	1.59	2.03										
57	91.57	1.59	1.91										
58	91.57	1.59	1.01	2.03	1.03E+02	1.405E-04	1.333E-04	.021	6.816E-03	7.5589E-06	7.1724E-06	SINTON	
59	91.57	1.59	.47	2.03	9.18E+02	1.259E-03	1.194E-03	.185	6.816E-03	6.7736E-05	6.4266E-05	SINTON	
60	91.57	1.59	.26	2.03	3.23E+03	4.431E-03	4.203E-03	.650	6.816E-03	2.3835E-04	2.2617E-04	SINTON	
												RE/M=	1.393E+06
71	91.57	20.53	3.45	4.06	1.61E+01	2.136E-05	2.028E-05	.003	7.837E-03	1.1674E-06	1.1083E-06	SINTON	
72	91.57	20.53	3.31										
73	91.57	20.53	2.51	4.06	2.16E+00	2.861E-06	2.717E-06	.000	7.837E-03	1.5637E-07	1.4845E-07	SINTON	
74	91.57	20.53	2.01										
75	91.57	20.53	1.52	4.06	5.05E+01	6.696E-05	6.356E-05	.009	7.837E-03	3.6591E-06	3.4736E-06	SINTON	
76	91.57	20.53	1.24	4.06	1.48E+02	1.966E-04	1.866E-04	.025	7.837E-03	1.0743E-05	1.0198E-05	SINTON	
77	91.57	20.53	1.00	4.06	2.90E+02	3.710E-04	3.522E-04	.047	7.837E-03	2.0275E-05	1.9246E-05	SINTON	
78	91.57	20.53	.74	4.06	7.05E+02	9.356E-04	8.881E-04	.119	7.837E-03	5.1126E-05	4.8532E-05	SINTON	
79	91.57	20.53	.50	4.06	1.47E+03	1.953E-03	1.854E-03	.249	7.837E-03	1.0671E-04	1.0129E-04	SINTON	
80	91.57	20.53	.24	4.06	6.42E+03	8.538E-03	8.104E-03	1.089	7.837E-03	4.6656E-04	4.4285E-04	SINTON	
81	91.62	20.53	.05	4.06	7.96E+03	1.060E-02	1.006E-02	1.353	7.835E-03	5.7922E-04	5.4976E-04	SINTON	
82	91.80	20.53	0.00	4.06	9.57E+03	1.274E-02	1.209E-02	1.628	7.827E-03	6.9631E-04	6.6087E-04	SINTON	
83	92.33	20.53	0.00	4.06	7.92E+03	1.042E-02	9.891E-03	1.335	7.806E-03	5.6954E-04	5.4052E-04	SINTON	
84	92.83	20.53	0.00	4.06	6.67E+03	8.894E-03	8.441E-03	1.142	7.786E-03	4.8604E-04	4.6127E-04	SINTON	
85	94.08	20.53	0.00	4.06	6.81E+03	8.021E-03	7.612E-03	1.037	7.736E-03	4.3832E-04	4.1598E-04	SINTON	
86	95.38	20.53	0.00	4.06	5.36E+03	7.153E-03	6.788E-03	.931	7.684E-03	3.9088E-04	3.7096E-04	SINTON	
87	96.64	20.53	0.00	4.06	5.22E+03	6.966E-03	6.611E-03	.912	7.635E-03	3.8067E-04	3.6126E-04	SINTON	
88	99.17	20.53	0.00	4.06	4.82E+03	6.439E-03	6.111E-03	.855	7.534E-03	3.5190E-04	3.3394E-04	SINTON	
89	101.70	20.53	0.00	4.06	5.11E+03	6.823E-03	6.474E-03	.922	7.399E-03	3.7284E-04	3.5388E-04	SINTON	
90	104.25	20.53	0.00	4.06	4.89E+03	6.523E-03	6.190E-03	.980	7.245E-03	3.5644E-04	3.3826E-04	SINTON	

AMES 3.5 FT WIND TUNNL TEST(1158), C. BLUMER RSI TILE GAPS RUN(66) 1973

IT = 1.1237E+03(K) CONF= 2.20
PT = 9.2597E+05(N/M2) GAP = .127 CM
HT = 1.1885E+06(J/KG) STEP = .1591(CM)
RE/M,TLR= 2.6052E+06
MACH = 5.10
QS = 1.0697E+05(N/M2)
MAW/MT =0.207 FOR HT
MAW/MT =0.876 FOR ML

B/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.605E+06
1	91.57	-20.54	.75	1.02	3.30E+02	4.626E-04	4.390E-04	.052	8.825E-03	[illegible]E-05	1.313E-07	SINTON	
2	91.57	[illegible]	.51	1.02	1.99E+03	2.748E-03	2.607E-03	.311	[illegible]	8.212E-05	7.790E-05	SINTON	
3	91.57	-20.54	.28	1.02	4.85E+03	6.692E-03	6.[illegible]	.758	8.825E-03	2.001E-04	1.899E-04	SINTON	
4	91.57	-20.54	.09	1.02	3.[illegible]	[illegible]	5.175E-03	.619	8.816E-03	1.631E-04	1.548E-04	SINTON	
5	91.62	-20.44	.02	1.02	3.85E+03	5.322E-03	5.047E-03	.603	8.823E-03	1.591E-04	1.509E-04	SINTON	
6	91.69	-20.22	0.38	1.02	5.15E+03	7.109E-03	6.744E-03	.807	8.811E-03	2.126E-04	2.017E-04	SINTON	
7	92.02	-20.54	0.59	1.02	8.64E+03	1.110E-02	1.053E-02	1.261	8.806E-03	3.321E-04	3.151E-04	SINTON	
8	92.32	-20.54	0.83	1.02	8.82E+03	1.219E-02	1.157E-02	1.387	8.794E-03	3.647E-04	3.462E-04	SINTON	
9	92.58	-20.54	1.03	1.02	7.48E+03	1.035E-02	9.818E-03	1.180	8.774E-03	3.093E-04	2.937E-04	SINTON	
10	94.89	-20.54	0.20	1.02	6.04E+03	8.347E-03	7.918E-03	.957	8.721E-03	2.499E-04	2.360E-04	SINTON	
11	95.34	-20.54	0.64	1.02	5.86E+03	8.100E-03	7.684E-03	.931	8.701E-03	2.423E-04	2.298E-04	SINTON	
12	96.64	-20.54	0.88	1.02	6.10E+03	8.406E-03	7.975E-03	.959	8.760E-03	2.514E-04	2.385E-04	SINTON	
13	99.18	-20.54	0.00	1.02	9.57E+03	7.692E-03	7.298E-03	.864	8.[illegible]09E-03	2.181E-04	2.181E-04	SINTON	
14	181.72	-20.54	0.00	1.02	5.18E+03	7.152E-03	6.785E-03	.914	8.786E-03	2.139E-04	2.029E-04	SINTON	
15	184.27	-20.53	0.00	1.02	5.51E+03	7.602E-03	7.212E-03	.869	8.755E-03	2.274E-04	2.157E-04	SINTON	
16	91.44	-20.53	1.02										
17	91.44	-18.94	1.02										
18	91.57	-18.94	.76	1.02	2.24E+02	3.153E-04	2.992E-04	.036	8.782E-03	9.431E-06	8.949E-06	SINTON	
19	91.57	-18.94	.51	1.02	1.53E+03	2.101E-03	1.993E-03	.239	8.782E-03	2.884E-05	5.963E-05	SINTON	
20	91.57	-18.94	.25	1.02	4.08E+03	5.627E-03	5.339E-03	.641	8.782E-03	1.668E-04	1.597E-04	SINTON	
													RE/M= 2.517E+06
21	88.90	-0.00	0.00	2.03	3.49E+03	4.677E-03	4.439E-03	.556	8.413E-03	1.420E-04	1.340E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	2.36E+03	3.163E-03	3.002E-03	.374	8.463E-03	9.607E-05	9.117E-05	SINTUP	
23	91.19	-0.00	0.00	2.03	1.53E+03	2.050E-03	1.946E-03	.240	8.549E-03	6.220E-05	5.911E-05	SINTUP	
24	91.33	-0.00	.05	2.03	9.30E+02	1.256E-03	1.192E-03	.147	8.568E-03	3.814E-05	3.620E-05	SINTUP	
25	91.44	-0.00	.27	2.03	6.14E+02	8.209E-04	7.792E-04	.096	8.570E-03	2.493E-05	2.369E-05	SINTUP	
26	91.44	-0.00	.48	2.03	2.24E+02	2.987E-04	2.835E-04	.035	8.570E-03	9.072E-06	8.612E-06	SINTUP	
27	91.44	-0.00	.75	2.03	9.24E+01	1.234E-04	1.171E-04	.014	8.570E-03	3.740E-06	3.553E-06	SINTUP	
28	91.44	-0.00	.99	2.03	2.21E+00	2.953E-06	2.804E-06	.000	8.570E-03	8.971E-08	8.516E-08	SINTUP	
29	91.44	-0.00	1.22										
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51	2.03	8.07E+00	1.076E-05	1.022E-05	.001	8.581E-03	3.269E-07	3.103E-07	SINTON	
34	91.57	-0.00	1.22	2.03	5.13E+01	6.919E-05	6.568E-05	.008	8.581E-03	2.101E-06	1.995E-06	SINTON	
35	91.57	-0.00	.99	2.03	8.97E+01	1.197E-04	1.136E-04	.014	8.581E-03	3.635E-06	3.451E-06	SINTON	
36	91.57	-0.00	.75	2.03	2.55E+02	3.401E-04	3.[illegible]E-04	.044	8.581E-03	1.154E-05	1.095E-05	SINTON	
37	91.57	-0.00	.48	2.03	1.25E+03	1.667E-03	1.582E-03	.194	8.581E-03	5.064E-05	4.806E-05	SINTON	
38	91.57	-0.00	.27	2.03	4.34E+03	5.413E-03	5.137E-03	.631	8.581E-03	1.644E-04	1.560E-04	SINTON	
39	91.57	-0.00	.13	2.03	4.82E+03	6.447E-03	6.119E-03	.751	8.569E-03	1.958E-04	1.858E-04	SINTON	
40	91.57	-0.00	.05	2.03	5.16E+03	6.9.6E-03	6.565E-03	.806	8.565E-03	2.101E-04	1.994E-04	SINTON	
41	91.62	-0.00	.32	2.03	7.44E+03	9.967E-03	9.459E-03	1.159	8.603E-03	3.027E-04	2.873E-04	SINTON	
42	91.73	-0.00	0.00	2.03	7.44E+03	9.967E-03	9.459E-03	1.159	8.603E-03	3.027E-04	2.873E-04	SINTON	
43	91.91	-0.00	0.00	2.03	8.57E+03	1.150E-02	1.092E-02	1.337	8.601E-03	3.493E-04	3.315E-04	SINTON	
44	92.36	-0.00	0.00	2.03	8.29E+03	1.113E-02	1.056E-02	1.288	8.643E-03	3.381E-04	3.208E-04	SINTON	
45	92.82	-0.00	0.00	2.03	7.18E+03	9.631E-03	9.140E-03	1.109	8.680E-03	2.925E-04	2.776E-04	SINTON	
46	94.39	-0.00	0.00	2.03	6.15E+03	8.238E-03	7.819E-03	.937	8.793E-03	2.502E-04	2.375E-04	SINTON	
47	95.35	-0.00	0.00	2.03	5.64E+03	7.550E-03	7.173E-03	.849	8.903E-03	2.295E-04	2.178E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1158). C. BLUMER RSI TILE GAPS RUN(66) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPU (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MR.EFF	MR.EFF (KG/M2-S)	STL	STI	GAP-TYPE
												RE/M= 2.627E+06
47	95.62	-0.00	0.00	2.03	5.93E+03	8.028E-03	7.619E-03	.809	9.027E-03	2.438E-04	2.315E-04	SINTOM
48	99.17	-0.00	0.00	2.03	5.43E+03	7.280E-03	6.909E-03	.765	9.277E-03	2.211E-04	2.098E-04	SINTOM
49	101.74	-0.00	0.00	2.03	5.31E+03	7.113E-03	6.751E-03	.747	9.328E-03	2.166E-04	2.056E-04	SINTOM
50	104.25	-0.00	0.00	2.03	5.20E+03	7.044E-03	6.685E-03	.728	9.183E-03	2.139E-04	2.030E-04	SINTOM
56	91.44	1.59	2.03									
57	91.57	1.59	1.51							5.297E-06	5.028E-06	SINTOM
58	91.57	1.59	1.01	2.03	1.31E+02	1.744E-04	1.655E-04	.020	8.624E-03	5.676E-05	5.363E-05	SINTOM
59	91.57	1.59	.47	2.03	1.33E+03	1.860E-03	1.766E-03	.216	8.624E-03	1.746E-04	1.655E-04	SINTOM
60	91.57	1.59	.26	2.03	4.29E+03	5.743E-03	5.450E-03	.666	8.624E-03			
										2.--69E-07	6.1056E-07	SINTOM
71	91.57	20.53	3.45	4.06	1.31E+01	2.082E-05	1.977E-05	.002	9.207E-03			
72	91.57	20.53	3.01							3.129E-06	2.971E-06	SINTOM
73	91.57	20.53	2.21	4.06	7.85E+01	1.013E-04	9.622E-05	.011	9.207E-03	7.760E-06	7.369E-06	SINTOM
74	91.57	20.53	2.01	4.06	2.72E+02	2.31TE-04	2.386E-04	.027	9.207E-03	1.867E-05	1.774E-05	SINTOM
75	91.57	20.53	1.52	4.06	4.68E+02	6.048E-04	5.744E-04	.066	9.207E-03	3.392E-05	2.936E-05	SINTOM
76	91.57	20.53	1.24	4.06	7.75E+02	1.001E-03	9.509E-04	.109	9.207E-03	4.231E-05	4.018E-05	SINTOM
77	91.57	20.53	1.00	4.06	1.60E+03	1.370E-03	1.301E-03	.149	9.207E-03	7.125E-05	6.766E-05	SINTOM
78	91.57	20.53	.74	4.06	1.78E+03	2.307E-03	2.191E-03	.251	9.207E-03	1.112E-04	1.056E-04	SINTOM
79	91.57	20.53	.50	4.06	2.78E+03	3.802E-03	3.620E-03	.391	9.207E-03	3.837E-04	3.643E-04	SINTOM
80	91.57	20.53	.24	4.06	9.50E+03	1.243E-02	1.180E-02	1.350	9.207E-03	3.340E-04	4.121E-04	SINTOM
81	91.62	20.53	.05	4.06	1.68E+04	1.446E-02	1.334E-02	1.526	9.210E-03	5.202E-04	4.938E-04	SINTOM
82	91.80	20.53	0.00	4.06	1.29E+04	1.684E-02	1.599E-02	1.827	9.210E-03	4.168E-04	3.957E-04	SINTOM
83	92.33	20.53	0.00	4.66	1.64E+04	1.350E-02	1.281E-02	1.460	9.244E-03	3.349E-04	3.317E-04	SINTOM
84	92.83	20.53	0.00	4.06	8.69E+03	1.132E-02	1.074E-02	1.221	9.268E-03	3.880E-04	2.926E-04	SINTOM
85	94.88	20.53	0.00	4.06	7.66E+03	9.976E-03	9.473E-03	1.069	9.328E-03	2.872E-04	2.538E-04	SINTOM
86	95.38	20.53	0.00	4.06	6.84E+03	8.653E-03	8.214E-03	.922	9.383E-03	2.525E-04	2.387E-04	SINTOM
87	96.64	20.53	0.00	4.06	6.27E+03	8.179E-03	7.764E-03	.868	9.418E-03	2.289E-04	2.173E-04	SINTOM
88	99.17	20.53	0.00	4.06	5.68E+03	7.413E-03	7.036E-03	.781	9.489E-03	2.173E-04	2.339E-04	SINTOM
89	101.70	20.53	0.00	4.06	6.11E+03	7.983E-03	7.577E-03	.820	9.734E-03	2.465E-04	2.165E-04	SINTOM
90	104.25	20.53	0.00	4.06	5.66E+03	7.386E-03	7.011E-03	.734	1.007E-02	2.281E-04		SINTOM

AMES 3.5 FT WIND TUNNEL TEST(1508), C. BLUMER RSI TILE GAPS RUN(67) 1973

TT = 1.1324E+03(K) CONF= 2.20
PT = 1.4731E+06(N/M2) GAP = .127 CM
HT = 1.1987E+06(J/KG) STEP = .159(CM)
RE/METER= 4.5698E+06
MACH = 5.18
QS = 1.4752E+05(N/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.876 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	U (M/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
												RE/M=	4.570E+06
1	91.57	-20.54	.75	1.02	5.30E+03	7.269E-03	6.901E-03	.497	1.464E-02	1.2388E-04	1.1604E-04	SINTON	
2	91.57	-20.54	.51	1.02	1.04E+04	1.422E-02	1.349E-02	.971	1.464E-02	2.4869E-04	2.2037E-04	SINTON	
3	91.57	-20.54	.28	1.02	2.74E+04	3.756E-02	3.563E-02	2.566	1.464E-02	6.3590E-04	6.0327E-04	SINTON	
4	91.57	-20.22	.09	1.02	2.66E+04	3.641E-02	3.454E-02	2.486	1.465E-02	6.1646E-04	5.8488E-04	SINTON	
5	91.62	-20.24	.05	1.02	2.57E+04	3.520E-02	3.348E-02	2.410	1.464E-02	5.9762E-04	5.6691E-04	SINTON	
6	91.69	-20.22	0.00	1.02	2.90E+04	3.973E-02	3.773E-02	2.714	1.466E-02	6.7358E-04	6.3892E-04	SINTON	
7	92.02	-20.54	0.00	1.02	3.25E+04	4.478E-02	4.248E-02	3.044	1.469E-02	7.5674E-04	7.1785E-04	SINTON	
8	92.32	-20.54	0.00	1.02	2.55E+04	3.499E-02	3.319E-02	2.378	1.472E-02	5.9244E-04	5.6193E-04	SINTON	
9	92.80	-20.54	0.00	1.02	2.19E+04	2.953E-02	2.801E-02	2.008	1.470E-02	4.9995E-04	4.7421E-04	SINTON	
10	94.09	-20.54	0.00	1.02	1.83E+04	2.510E-02	2.381E-02	1.685	1.490E-02	4.2504E-04	4.0318E-04	SINTON	
11	95.36	-20.54	0.00	1.02	2.03E+04	2.789E-02	2.646E-02	1.826	1.527E-02	4.7224E-04	4.4795E-04	SINTON	
12	96.64	-20.54	0.00	1.02	1.84E+04	2.528E-02	2.391E-02	1.539	1.638E-02	4.2673E-04	4.0404E-04	SINTON	
13	99.18	-20.54	0.00	1.02	2.48E+04	3.395E-02	3.220E-02	1.831	1.854E-02	5.7678E-04	5.4526E-04	SINTON	
14	101.72	-20.54	0.00	1.02	2.50E+04	3.432E-02	3.255E-02	1.636	2.098E-02	5.8103E-04	5.5119E-04	SINTON	
15	104.27	-20.53	0.00	1.02	2.99E+04	4.087E-02	3.877E-02	1.735	2.356E-02	6.9195E-04	6.5644E-04	SINTON	
16	91.44	-20.53	1.02	1.02	1.12E+03	1.525E-03	1.447E-03	.184	1.463E-02	2.5817E-05	2.4502E-05	SINTON	
17	91.44	-18.94	1.02	1.02	1.04E+03	1.413E-03	1.341E-03	.096	1.466E-02	2.3932E-05	2.2713E-05	SINTON	
18	91.57	-18.94	.76	1.02	5.52E+03	7.517E-03	7.133E-03	.512	1.468E-02	1.2728E-04	1.2078E-04	SINTON	
19	91.57	-18.94	.51	1.02	9.89E+03	1.350E-02	1.281E-02	.920	1.468E-02	2.2854E-04	2.1686E-04	SINTON	
20	91.57	-18.94	.25	1.02	2.74E+04	3.739E-02	3.547E-02	2.547	1.468E-02	6.3308E-04	6.0066E-04	SINTON	
												RE/M=	4.398E+06
21	88.95	-0.00	0.00	2.03	4.65E+03	6.136E-03	5.824E-03	.422	1.455E-02	1.0572E-04	1.0035E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	5.27E+03	6.998E-03	6.633E-03	.465	1.502E-02	1.2043E-04	1.1429E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	9.89E+03	1.309E-02	1.242E-02	.839	1.560E-02	2.2536E-04	2.1390E-04	SINTUP	
24	91.39	-0.00	.05	2.03	1.04E+04	1.378E-02	1.308E-02	.877	1.571E-02	2.3741E-04	2.2534E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.19E+04	1.559E-02	1.480E-02	.991	1.574E-02	2.6881E-04	2.5498E-04	SINTUP	
26	91.44	-0.00	.48	2.03	5.42E+03	7.149E-03	6.786E-03	.454	1.574E-02	1.2316E-04	1.1692E-04	SINTUP	
27	91.44	-0.00	.75	2.03	4.51E+03	5.930E-03	5.630E-03	.377	1.574E-02	1.0216E-04	9.6994E-05	SINTUP	
28	91.44	-0.00	.99	2.03	3.30E+03	4.415E-03	4.191E-03	.280	1.574E-02	7.6057E-05	7.2218E-05	SINTUP	
29	91.44	-0.00	1.22	2.03	2.24E+03	2.941E-03	2.793E-03	.187	1.574E-02	5.0675E-05	4.8119E-05	SINTUP	
30	91.44	-0.00	1.52	2.03	9.84E+02	1.289E-03	1.224E-03	.082	1.574E-02	2.2212E-05	2.1093E-05	SINTUP	
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77	2.03	6.83E+02	8.935E-04	8.488E-04	.057	1.581E-02	1.5349E-05	1.4624E-05	SINTON	
33	91.57	-0.00	1.51	2.03	2.19E+03	2.878E-03	2.733E-03	.182	1.581E-02	4.9592E-05	4.7005E-05	SINTON	
34	91.57	-0.00	1.22	2.03	3.28E+03	4.320E-03	4.101E-03	.273	1.581E-02	7.4438E-05	7.0663E-05	SINTON	
35	91.57	-0.00	.99	2.03	4.37E+03	5.754E-03	5.463E-03	.364	1.581E-02	9.9139E-05	9.4123E-05	SINTON	
36	91.57	-0.00	.75	2.03	5.60E+03	7.368E-03	6.995E-03	.466	1.581E-02	1.2695E-04	1.2052E-04	SINTON	
37	91.57	-0.00	.48	2.03	8.85E+03	1.167E-02	1.108E-02	.738	1.581E-02	2.0103E-04	1.9085E-04	SINTON	
38	91.57	-0.00	.27	2.03	2.46E+04	3.247E-02	3.082E-02	2.053	1.581E-02	5.5935E-04	5.3098E-04	SINTON	
39	91.57	.12	.13	2.03	2.72E+04	3.582E-02	3.402E-02	2.256	1.586E-02	6.1713E-04	5.8586E-04	SINTON	
40	91.62	-0.00	.05	2.03	2.62E+04	3.454E-02	3.279E-02	2.188	1.584E-02	5.9512E-04	5.6489E-04	SINTON	
41	91.73	.12	0.00	2.03	2.86E+04	3.880E-02	3.686E-02	2.381	1.596E-02	6.5472E-04	6.2132E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1158), G. BLUMER RSI TILL GAPS RUN# 671 1973 PAGE 114

T/C	X (CM)	YB (CM)	Z (CM)	GAPD (CM)	U (M/SEC)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	SIL	SIT	GAP-TYPE	
													RE/M= 4.242E+06
42	91.91	-0.00	0.00	2.03	2.092E+04	3.796E-02	3.500E-02	2.379	1.595E-02	6.5364E-04	6.2623E-04	SINTOM	
43	92.30	-0.00	0.00	2.03	2.106E+04	2.965E-02	2.719E-02	1.769	1.623E-02	4.9350E-04	4.6637E-04	SINTOM	
44	92.42	-0.00	0.00	2.03	1.806E+04	2.465E-02	2.340E-02	1.492	1.653E-02	4.2477E-04	4.0313E-04	SINTOM	
45	94.09	-0.00	0.00	2.03	1.795E+04	2.369E-02	2.192E-02	1.338	1.725E-02	3.9780E-04	3.7761E-04	SINTOM	
46	95.35	-0.00	0.00	2.03	1.760E+04	2.342E-02	2.223E-02	1.298	1.805E-02	4.0353E-04	3.8294E-04	SINTOM	
47	96.02	-0.00	0.00	2.03	2.110E+04	2.793E-02	2.650E-02	1.467	1.904E-02	4.8113E-04	4.5690E-04	SINTOM	
48	99.17	-0.00	0.00	2.03	2.306E+04	3.130E-02	2.970E-02	1.488	2.103E-02	5.3924E-04	5.1176E-04	SINTOM	
49	101.76	-0.00	0.00	2.03	2.036E+04	3.484E-02	3.307E-02	1.500	2.322E-02	6.0028E-04	5.6969E-04	SINTOM	
50	104.25	-0.00	0.00	2.03	3.072E+04	4.868E-02	3.860E-02	1.594	2.552E-02	7.0679E-04	6.6511E-04	SINTOM	
56	91.44	1.54	2.03	2.03	1.423E+02	1.641E-04	1.559E-04	.010	1.600E-02	2.8265E-06	2.6836E-06	SINTOM	
57	91.57	1.59	1.51	2.03	1.432E+03	2.530E-03	2.408E-03	.156	1.607E-02	4.3698E-05	4.1484E-05	SINTOM	
58	91.57	1.59	1.01	2.03	4.236E+03	5.562E-03	5.279E-03	.346	1.607E-02	9.5818E-05	9.0954E-05	SINTOM	
59	91.57	1.59	.47	2.03	9.376E+03	1.242E-02	1.178E-02	.772	1.607E-02	2.1392E-04	2.0302E-04	SINTOM	
60	91.57	1.59	.26	2.03	2.418E+04	3.197E-02	3.034E-02	1.989	1.607E-02	5.5078E-04	5.2269E-04	SINTOM	
71	91.57	20.53	3.45	0.00	2.20E+02	2.805E-04	2.665E-04	.014	1.901E-02	4.9119E-06	4.6656E-06	SINTOM	
72	91.57	20.53	3.01	0.00	7.19E+02	9.149E-04	8.690E-04	.047	1.961E-02	1.6617E-05	1.5215E-05	SINTOM	
73	91.57	20.53	2.31	0.00	4.59E+02	1.221E-03	1.160E-03	.062	1.961E-02	2.1384E-05	2.0312E-05	SINTOM	
74	91.57	20.51	2.01	0.00	1.35E+03	1.722E-03	1.636E-03	.088	1.961E-02	3.0153E-05	2.8640E-05	SINTOM	
75	91.57	20.53	1.52	0.00	2.13E+03	2.717E-03	2.581E-03	.139	1.961E-02	4.7576E-05	4.5186E-05	SINTOM	
76	91.57	20.53	1.24	0.00	2.70E+03	3.565E-03	3.367E-03	.181	1.961E-02	6.2073E-05	5.8952E-05	SINTOM	
77	91.57	20.51	1.00	0.00	3.30E+03	4.320E-03	4.102E-03	.220	1.961E-02	7.5637E-05	7.1829E-05	SINTOM	
78	91.57	20.53	.74	0.00	4.01E+03	5.155E-03	5.045E-03	.314	1.961E-02	1.0776E-04	1.0233E-04	SINTOM	
79	91.57	20.53	.50	0.00	7.59E+03	9.734E-03	9.243E-03	.490	1.961E-02	1.7044E-04	1.6184E-04	SINTOM	
80	91.57	20.53	.24	0.00	2.48E+04	3.180E-02	3.019E-02	1.621	1.961E-02	5.5676E-04	5.2861E-04	SINTOM	
81	91.62	20.53	.05	0.00	2.57E+04	3.303E-02	3.136E-02	1.682	1.963E-02	5.7839E-04	5.4910E-04	SINTOM	
82	91.80	20.53	0.00	0.00	3.10E+04	4.063E-02	3.857E-02	2.061	1.971E-02	7.1134E-04	6.7534E-04	SINTOM	
83	92.33	20.53	0.00	0.00	2.37E+04	3.059E-02	2.903E-02	1.535	1.993E-02	5.3554E-04	5.0836E-04	SINTOM	
84	92.83	20.53	0.00	0.00	1.99E+04	2.566E-02	2.436E-02	1.276	2.013E-02	4.4966E-04	4.2682E-04	SINTOM	
85	94.08	20.53	0.00	0.00	1.80E+04	2.325E-02	2.207E-02	1.127	2.064E-02	4.0709E-04	3.8640E-04	SINTOM	
86	95.38	20.53	0.00	0.00	1.67E+04	2.158E-02	2.046E-02	1.017	2.122E-02	3.7776E-04	3.5856E-04	SINTOM	
87	96.64	20.53	0.00	0.00	1.87E+04	2.356E-02	2.236E-02	1.075	2.191E-02	4.1256E-04	3.9157E-04	SINTOM	
88	99.17	20.53	0.00	0.00	1.80E+04	2.327E-02	2.209E-02	.990	2.331E-02	4.0752E-04	3.8676E-04	SINTOM	
89	101.70	20.53	0.00	0.00	2.29E+04	2.906E-02	2.615E-02	1.190	2.694E-02	5.1940E-04	4.9298E-04	SINTOM	
90	104.25	20.53	0.00	0.00	2.69E+04	3.470E-02	3.301E-02	1.383	2.669E-02	6.0493E-04	5.7791E-04	SINTOM	

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(68) 1973 PAGE 115

TT = 1.1055E+03(K) CONF= 2.20
PT = 4.5861E+05(N/M2) GAP = .127 CM
HT = 1.1675E+06(J/KG) STEP = .318(CM)
RE/METER= 1.4814E+06
MACH = 5.10
QS = 7.4129E+04(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.481E+06
1	91.57	-20.00	.75	1.02	1.65E+02	2.333E-04	2.213E-04	.031	7.460E-03	1.2462E-05	1.1821E-05	SINTON	
2	91.57	-20.00	.51	1.02	1.89E+03	2.671E-03	2.513E-03	.358	7.460E-03	1.4267E-04	1.3532E-04	SINTON	
3	91.57	-20.00	.28	1.02	5.97E+03	8.418E-03	8.002E-03	1.131	7.460E-03	4.5072E-04	4.2748E-04	SINTON	
4	91.57	-20.22	.09	1.02	6.34E+03	8.962E-03	8.500E-03	1.205	7.438E-03	4.7876E-04	4.5406E-04	SINTON	
5	91.62	-20.34	.35	1.02	8.29E+03	1.173E-02	1.112E-02	1.572	7.458E-03	6.2641E-04	5.9489E-04	SINTON	
6	91.69	-20.27	0.30	1.02	9.22E+03	1.304E-02	1.237E-02	1.755	7.433E-03	6.9664E-04	6.6668E-04	SINTON	
7	92.02	-20.56	0.00	1.02	1.11E+04	1.570E-02	1.489E-02	2.104	7.441E-03	8.3819E-04	7.9302E-04	SINTON	
8	92.32	-20.56	0.00	1.02	8.66E+03	1.217E-02	1.154E-02	1.638	7.429E-03	6.4987E-04	6.1631E-04	SINTON	
9	92.80	-20.56	0.00	1.02	7.07E+03	1.001E-02	9.494E-03	1.351	7.409E-03	5.3477E-04	5.0716E-04	SINTON	
10	96.09	-20.56	0.00	1.02	5.58E+03	7.895E-03	7.488E-03	1.073	7.355E-03	4.2173E-04	3.9997E-04	SINTON	
11	95.34	-20.56	0.00	1.02	5.20E+03	7.463E-03	7.078E-03	1.021	7.311E-03	3.9866E-04	3.7810E-04	SINTON	
12	96.56	-20.56	0.00	1.02	4.87E+03	6.865E-03	6.512E-03	.942	7.285E-03	3.6673E-04	3.4787E-04	SINTON	
13	99.18	-20.56	0.00	1.02	4.67E+03	6.592E-03	6.252E-03	.911	7.234E-03	3.5214E-04	3.3399E-04	SINTON	
14	101.72	-20.56	0.00	1.02	4.26E+03	6.017E-03	5.707E-03	.872	6.904E-03	3.2144E-04	3.0487E-04	SINTON	
15	104.27	-20.59	0.00	1.02	4.48E+03	6.329E-03	6.003E-03	.983	6.440E-03	3.3810E-04	3.2067E-04	SINTON	
16	91.44	-20.58	1.02	1.02	1.72E+01	2.429E-05	2.304E-05	.003	7.465E-03	1.2975E-06	1.2308E-06	SINTON	
17	91.44	-18.94	1.02	1.02	6.56E+00	9.263E-06	8.768E-06	.001	7.360E-03	4.9374E-07	4.6836E-07	SINTON	
18	91.57	-19.34	.70	1.02	1.58E+02	2.229E-04	2.114E-04	.030	7.354E-03	1.1906E-05	1.1293E-05	SINTON	
19	91.57	-19.34	.51	1.02	1.55E+03	2.182E-03	2.069E-03	.297	7.354E-03	1.1655E-04	1.1055E-04	SINTON	
20	91.57	-18.34	.25	1.02	5.58E+03	7.886E-03	7.480E-03	1.072	7.354E-03	4.2126E-04	3.9954E-04	SINTON	
													RE/M= 1.414E+06
21	88.96	-0.00	0.00	2.03	1.48E+03	2.003E-03	1.901E-03	.290	6.895E-03	1.0924E-04	1.0367E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	1.24E+03	1.677E-03	1.592E-03	.245	6.849E-03	9.1482E-05	8.6815E-05	SINTUP	
23	91.19	-0.00	0.00	2.03	1.52E+03	2.063E-03	1.957E-03	.304	6.785E-03	1.1250E-04	1.0677E-04	SINTUP	
24	91.39	-0.00	.05	2.03	1.15E+03	1.561E-03	1.482E-03	.231	6.773E-03	8.5163E-05	8.0824E-05	SINTUP	
25	91.44	-0.00	.27	2.03	6.53E+02	8.911E-04	8.457E-04	.132	6.769E-03	4.8602E-05	4.6127E-05	SINTUP	
26	91.44	-0.00	.49	2.03	2.07E+02	2.794E-04	2.652E-04	.041	6.769E-03	1.5240E-05	1.4464E-05	SINTUP	
27	91.44	-0.00	.75	2.03	5.65E+01	7.638E-05	7.249E-05	.011	6.769E-03	4.1660E-06	3.9541E-06	SINTUP	
28	91.44	-0.01	.99										
29	91.44	-0.00	1.22	2.03	7.76E+00	1.048E-05	9.946E-06	.002	6.769E-03	5.7158E-07	5.4252E-07	SINTUP	
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51	2.03	2.42E+01	3.272E-05	3.106E-05	.005	6.761E-03	1.7849E-06	1.6942E-06	SINTON	
34	91.57	-0.00	1.22	2.03	5.57E+01	7.530E-05	7.146E-05	.011	6.761E-03	4.1069E-06	3.8980E-06	SINTON	
35	91.57	-0.00	.99	2.03	7.65E+01	1.033E-04	9.808E-05	.015	6.761E-03	5.6365E-06	5.3497E-06	SINTON	
36	91.57	-0.00	.75	2.03	3.31E+02	4.483E-04	4.255E-04	.066	6.761E-03	2.4454E-05	2.3208E-05	SINTON	
37	91.57	-0.00	.48	2.03	1.50E+03	2.030E-03	1.927E-03	.300	6.751E-03	1.1074E-04	1.0510E-04	SINTON	
38	91.57	-0.00	.27	2.03	5.55E+03	7.513E-03	7.130E-03	1.111	6.761E-03	4.0988E-04	3.8891E-04	SINTON	
39	91.57	.32	.13	2.03	7.77E+03	1.053E-02	9.989E-03	1.556	6.765E-03	5.7409E-04	5.4483E-04	SINTON	
40	91.62	-0.00	.05	2.03	8.26E+03	1.112E-02	1.055E-02	1.645	6.758E-03	6.0641E-04	5.7547E-04	SINTON	
41	91.73	.32	0.00	2.03	1.03E+04	1.397E-02	1.326E-02	2.069	6.754E-03	7.6224E-04	7.2335E-04	SINTON	
42	91.81	-0.00	0.00	2.03	1.05E+04	1.426E-02	1.353E-02	2.114	6.746E-03	7.7777E-04	7.3805E-04	SINTON	
43	92.30	-0.00	0.00	2.03	8.08E+03	1.097E-02	1.041E-02	1.634	6.715E-03	5.9831E-04	5.6776E-04	SINTON	
44	92.82	-0.00	0.00	2.03	6.80E+03	9.227E-03	8.756E-03	1.381	6.682E-03	5.0330E-04	4.7760E-04	SINTON	

AMES 3.5 FT WIND TUNNEL TEST(1150), C. BLUMER RSI TILE GAPS RUN1 60) 1973 PAGE 116

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STI	GAP-TYPE
												RE/M= 1.365E+06
45	94.09	+0.00	0.00	2.03	5.61E+03	7.602E-03	7.214E-03	1.151	6.602E-03	4.1463E-04	3.9340E-04	SINTON
46	95.35	+0.00	0.00	2.03	4.39E+03	6.761E-03	6.418E-03	1.033	6.546E-03	3.6875E-04	3.4995E-04	SINTON
47	96.62	+0.00	0.00	2.03	5.13E+03	6.953E-03	6.598E-03	1.062	6.548E-03	3.7923E-04	3.5969E-04	SINTON
48	99.17	+0.00	0.00	2.03	4.62E+03	6.240E-03	5.930E-03	.953	6.554E-03	3.4001E-04	3.2344E-04	SINTON
49	101.70	+0.00	0.00	2.03	4.43E+03	5.999E-03	5.693E-03	.929	6.453E-03	3.2720E-04	3.1053E-04	SINTON
50	104.25	+0.00	0.00	2.03	4.44E+03	6.007E-03	5.701E-03	.953	6.384E-03	3.2766E-04	3.1097E-04	SINTON
56	91.44		2.03									
57	91.57		1.59									
58	91.57		1.01	2.03	1.47E+02	1.986E-04	1.885E-04	.029	6.783E-03	1.0833E-05	1.0281E-05	SINTON
59	91.57		.47	2.03	1.78E+03	2.416E-03	2.293E-03	.356	6.783E-03	1.3188E-04	1.2508E-04	SINTON
60	91.57		.26	2.03	6.39E+03	8.666E-03	8.224E-03	1.278	6.783E-03	4.7266E-04	4.4834E-04	SINTON
71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51									
74	91.57	20.53	2.01	+.06	9.70E+03	1.271E-05	1.207E-05	.002	7.837E-03	7.4329E-07	6.8704E-07	SINTON
75	91.57	20.53	1.52	+.06	3.42E+01	5.614E-05	4.761E-05	.006	7.937E-03	2.7742E-06	2.6343E-06	SINTON
76	91.57	20.53	1.26	+.06	6.70E+01	8.501E-05	8.356E-05	.011	7.837E-03	4.8691E-06	4.6234E-06	SINTON
77	91.57	20.53	1.03	+.06	1.60E+02	2.101E-04	1.995E-04	.027	7.837E-03	1.1624E-05	1.1037E-05	SINTON
78	91.57	20.53	.76	+.06	7.12E+02	9.356E-04	8.832E-04	.119	7.937E-03	5.1753E-05	4.9139E-05	SINTON
79	91.57	20.53	.50	+.06	1.9UE+03	2.498E-03	2.371E-03	.319	7.837E-03	1.3819E-04	1.3121E-04	SINTON
80	91.57	20.53	.24	+.06	8.87E+03	1.167E-02	1.108E-02	1.490	7.837E-03	6.4592E-04	6.1323E-04	SINTON
81	91.62	20.53	.05	+.06	1.18E+04	1.552E-02	1.474E-02	1.981	7.835E-03	8.5879E-04	8.1530E-04	SINTON
82	91.88	20.53	0.00	+.06	1.29E+04	1.700E-02	1.614E-02	2.172	7.827E-03	9.4057E-04	8.9290E-04	SINTON
83	92.14	20.53	0.00	+.06	9.44E+03	1.246E-02	1.183E-02	1.596	7.806E-03	6.8934E-04	6.5438E-04	SINTON
84	92.83	20.53	0.00	+.06	7.04E+03	1.000E-02	9.560E-03	1.295	7.780E-03	5.5767E-04	5.2939E-04	SINTON
85	94.08	20.53	0.00	+.06	6.51E+03	8.586E-03	8.151E-03	1.110	7.736E-03	4.7506E-04	4.5095E-04	SINTON
86	95.38	20.53	0.00	+.06	5.56E+03	7.336E-03	6.964E-03	.955	7.685E-03	4.0589E-04	3.8530E-04	SINTON
87	96.64	20.53	0.00	+.06	5.32E+03	7.065E-03	6.706E-03	.925	7.638E-03	3.9087E-04	3.7104E-04	SINTON
88	99.17	20.53	0.00	+.06	4.82E+03	6.364E-03	6.040E-03	.844	7.537E-03	3.5288E-04	3.3428E-04	SINTON
89	101.70	20.53	0.00	+.06	5.08E+03	6.717E-03	6.376E-03	.900	7.481E-03	3.7163E-04	3.5274E-04	SINTON
90	104.25	20.53	0.00	+.06	4.86E+03	6.422E-03	6.096E-03	.886	7.245E-03	3.5538E-04	3.3726E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(69) 1973

TT = 1.1416E+03(K) CONF= 2.20
PT = 8.3467E+05(N/M2) GAP = .127 CM
HT = 1.2093E+06(J/KG) STEP = .3181(CM)
RE/METER= 2.559ME+06
MACH = 2.10
OS = 1.1329E+05(N/M2)
MAN/MT =0.907 FOR MT
MAN/MT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	J (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 2.559E+06
1	91.57	-20.34	.75	1.02	5.04E+02	7.761E-04	7.370E-04	.049	0.703E-03	2.320E-05	2.211E-05	SINTOP	
2	91.57	-20.34	.51	1.02	3.01E+03	4.814E-03	4.572E-03	.553	0.703E-03	1.446E-04	1.371E-04	SINTOP	
3	91.57	-20.34	.28	1.02	6.70E+03	8.943E-03	8.492E-03	1.028	0.783E-03	2.683E-04	2.540E-04	SINTOP	
4	91.57	-20.22	.09	1.02	4.90E+03	6.535E-03	6.204E-03	.752	0.694E-03	1.966E-04	1.861E-04	SINTOP	
5	91.62	-20.34	.05	1.02	6.23E+03	8.277E-03	7.859E-03	.951	0.700E-03	2.483E-04	2.350E-04	SINTOP	
6	91.69	-20.22	0.00	1.02	9.31E+03	1.244E-02	1.181E-02	1.431	0.660E-03	3.731E-04	3.543E-04	SINTOP	
7	96.02	-20.54	0.00	1.02	1.41E+04	1.889E-02	1.793E-02	2.170	0.661E-03	5.662E-04	5.380E-04	SINTOP	
8	92.32	-20.54	0.00	1.02	1.14E+04	1.521E-02	1.444E-02	1.755	0.867E-03	4.582E-04	4.332E-04	SINTOP	
9	92.98	-20.34	0.00	1.02	9.15E+03	1.222E-02	1.161E-02	1.414	0.864E-03	3.680E-04	3.492E-04	SINTOP	
10	94.09	-20.54	0.00	1.02	6.92E+03	9.227E-03	8.808E-03	1.081	0.583E-03	2.783E-04	2.642E-04	SINTOP	
11	95.34	-20.54	0.00	1.02	6.51E+03	8.690E-03	8.250E-03	1.016	0.553E-03	2.607E-04	2.475E-04	SINTOP	
12	96.54	-20.54	0.00	1.02	6.34E+03	8.235E-03	8.770E-03	1.073	0.605E-03	2.771E-04	2.631E-04	SINTOP	
13	99.18	-20.54	0.00	1.02	5.93E+03	7.933E-03	7.532E-03	.911	0.707E-03	2.380E-04	2.260E-04	SINTOP	
14	101.72	-20.54	0.00	1.02	5.42E+03	7.232E-03	6.866E-03	.847	0.561E-03	2.169E-04	2.060E-04	SINTOP	
15	104.27	-20.53	0.00	1.02	5.05E+03	7.001E-03	7.407E-03	.946	0.248E-03	2.360E-04	2.222E-04	SINTOP	
16	91.44	-26.53	1.02	1.02	1.07E+02	1.426E-04	1.354E-04	.016	0.789E-03	4.274E-05	4.063E-05	SINTOP	
17	91.44	-10.34	1.02	1.02	4.13E+02	5.488E-04	5.213E-04	.063	0.866E-03	1.664E-05	1.564E-05	SINTOP	
18	91.57	-18.94	.75	1.02	8.38E+02	1.105E-03	1.049E-03	.128	0.862E-03	3.315E-05	3.140E-05	SINTOP	
19	91.57	-18.34	.51	1.02	3.33E+03	4.443E-03	4.219E-03	.513	0.862E-03	1.333E-04	1.266E-04	SINTOP	
20	91.57	-13.34	.25	1.02	7.34E+03	9.788E-03	9.294E-03	1.130	0.862E-03	2.930E-04	2.780E-04	SINTOP	
													RE/M= 2.598E+06
21	88.90	-0.00	0.00	2.03	1.09E+03	1.476E-03	1.401E-03	.172	0.593E-03	4.397E-05	4.175E-05	SINTUP	
22	96.17	-0.00	0.00	2.03	1.52E+03	2.057E-03	1.953E-03	.238	0.656E-03	5.819E-05	5.529E-05	SINTUP	
23	91.19	-0.00	0.00	2.03	3.40E+03	4.670E-03	4.441E-03	.534	0.763E-03	1.324E-04	1.258E-04	SINTUP	
24	91.39	-0.00	.05	2.03	3.04E+03	4.911E-03	4.664E-03	.559	0.785E-03	1.466E-04	1.390E-04	SINTUP	
25	91.44	-0.00	.27	2.03	3.54E+03	4.788E-03	4.538E-03	.544	0.790E-03	1.452E-04	1.352E-04	SINTUP	
26	91.44	-0.00	.48	2.03	1.33E+03	1.799E-03	1.708E-03	.205	0.790E-03	5.363E-05	5.091E-05	SINTUP	
27	91.44	-0.00	.75	2.03	8.09E+02	9.175E-04	8.712E-04	.104	0.790E-03	2.734E-05	2.596E-05	SINTUP	
28	91.44	-0.00	.99	2.03	3.10E+02	4.180E-04	3.969E-04	.048	0.790E-03	1.245E-05	1.182E-05	SINTUP	
29	91.44	-6.00	1.22	2.03	8.48E+01	1.142E-04	1.085E-04	.013	0.790E-03	3.405E-06	3.233E-06	SINTUP	
30	91.44	-0.00	1.52	2.03									
31	91.44	-3.30	2.03										
32	91.57	-0.00	1.77	2.03	2.10E+02	2.936E-04	2.787E-04	.033	0.883E-03	8.749E-06	8.307E-06	SINTDN	
33	91.57	-3.00	1.51	2.03	5.91E+02	7.941E-04	7.507E-04	.091	0.883E-03	2.381E-05	2.261E-05	SINTDN	
34	91.57	-0.00	1.22	2.03	1.01E+03	1.357E-03	1.289E-03	.154	0.883E-03	4.034E-05	3.831E-05	SINTDN	
35	91.37	-3.00	.99	2.03	1.71E+03	2.312E-03	2.195E-03	.263	0.883E-03	6.892E-05	6.543E-05	SINTDN	
36	91.57	-3.00	.75	2.03	3.52E+03	4.799E-03	4.556E-03	.545	0.883E-03	1.430E-04	1.390E-04	SINTDN	
37	91.57	-0.00	.48	2.03	9.43E+03	1.340E-02	1.272E-02	1.522	0.883E-03	3.992E-04	3.789E-04	SINTDN	
38	91.37	-3.00	.27	2.03	1.17E+04	1.586E-02	1.506E-02	1.800	0.883E-03	4.727E-04	4.488E-04	SINTDN	
39	91.57	-3.00	.13	2.03	1.17E+04	1.581E-02	1.501E-02	1.795	0.883E-03	4.712E-04	4.473E-04	SINTDN	
40	91.02	-0.00	.05	2.03	1.17E+04	1.581E-02	1.501E-02	1.795	0.883E-03	4.712E-04	4.473E-04	SINTDN	
41	91.73	-.32	0.00	2.03	1.47E+04	1.990E-02	1.889E-02	2.262	0.830E-03	5.953E-04	5.651E-04	SINTDN	
42	91.91	-6.30	0.00	2.03	1.51E+04	2.047E-02	1.943E-02	2.328	0.829E-03	6.108E-04	5.799E-04	SINTDN	
43	92.10	-9.09	0.00	2.03	1.13E+04	1.529E-02	1.452E-02	1.722	0.881E-03	4.558E-04	4.328E-04	SINTDN	

AMES 3.5 FT WIND TUNNEL TEST(158); C. BLUMER RSI TILE GAPS RUN(69) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPW (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
44	92.82	-0.00	0.00	2.03	9.12E+03	1.23E-02	1.17E-02	1.383	8.93E-03	3.6838E-04	3.4967E-04	SINTON
45	94.09	-0.00	0.00	2.03	7.28E+03	9.85E-03	9.35E-03	1.087	9.06E-03	2.9375E-04	2.7864E-04	SINTON
46	95.15	-0.00	0.00	2.03	6.34E+03	8.65E-03	8.21E-03	.939	9.21E-03	2.5790E-04	2.4482E-04	SINTON
47	96.02	-0.00	0.00	2.03	6.61E+03	8.94E-03	8.49E-03	.954	9.37E-03	2.6668E-04	2.5315E-04	SINTON
48	99.17	-0.00	0.00	2.03	5.83E+03	7.92E-03	7.52E-03	.815	9.71E-03	2.3614E-04	2.2416E-04	SINTON
49	101.70	-0.00	0.00	2.03	5.70E+03	7.70E-03	7.31E-03	.765	1.00E-02	2.2975E-04	2.1810E-04	SINTON
50	104.25	-0.00	0.00	2.03	5.79E+03	7.83E-03	7.43E-03	.750	1.04E-02	2.3354E-04	2.2171E-04	SINTON
56	91.44	1.59	2.03									
57	91.57	1.59	1.51	2.03	1.73E+02	2.28E-04	2.17E-04	.026	8.85E-03	6.8198E-06	6.4752E-06	SINTON
58	91.57	1.59	1.01	2.03	9.66E+02	1.30E-03	1.24E-03	.148	8.85E-03	3.8927E-05	3.6959E-05	SINTON
59	91.57	1.59	.47	2.03	3.67E+03	4.96E-03	4.71E-03	.561	8.85E-03	1.4804E-04	1.4054E-04	SINTON
60	91.57	1.59	.26	2.03	9.81E+03	1.32E-02	1.25E-02	1.500	8.85E-03	3.9578E-04	3.7571E-04	SINTON
											RE/M=	2.53ZE+06
71	91.57	20.53	3.45									
72	91.57	20.53	3.01									
73	91.57	20.53	2.51	4.06	4.52E+01	5.98E-05	5.68E-05	.006	9.69E-03	1.8057E-06	1.7151E-06	SINTON
74	91.57	20.53	2.01	4.06	4.64E+01	5.94E-05	5.65E-05	.006	9.69E-03	1.7631E-06	1.6746E-06	SINTON
75	91.57	20.53	1.52	4.06	8.72E+01	1.14E-04	1.09E-04	.012	9.69E-03	3.4630E-06	3.2891E-06	SINTON
76	91.57	20.53	1.24	4.06	1.90E+02	2.58E-04	2.45E-04	.027	9.69E-03	7.7968E-06	7.4051E-06	SINTON
77	91.57	20.53	1.00	4.06	3.03E+02	3.99E-04	3.79E-04	.041	9.69E-03	1.2034E-05	1.1429E-05	SINTON
78	91.57	20.53	.74	4.06	8.60E+02	1.13E-03	1.07E-03	.117	9.69E-03	3.4224E-05	3.2502E-05	SINTON
79	91.57	20.53	.50	4.06	1.83E+03	2.41E-03	2.29E-03	.249	9.69E-03	7.2780E-05	6.9113E-05	SINTON
80	91.57	20.53	.24	4.06	8.74E+03	1.15E-02	1.09E-02	1.194	9.69E-03	3.4882E-04	3.3123E-04	SINTON
81	91.62	20.53	.05	4.06	1.23E+04	1.63ZE-02	1.54E-02	1.583	9.69E-03	4.9190E-04	4.6706E-04	SINTON
82	91.80	20.53	0.00	4.06	1.48E+04	1.94Z-02	1.84E-02	2.000	9.70E-03	5.8538E-04	5.5580E-04	SINTON
83	92.33	20.53	0.00	4.06	1.10E+04	1.45E-02	1.38E-02	1.491	9.75E-03	4.3830E-04	4.1614E-04	SINTON
84	92.83	20.53	0.00	4.06	9.02E+03	1.19E-02	1.13E-02	1.223	9.79E-03	3.6087E-04	3.4262E-04	SINTON
85	94.08	20.53	0.00	4.06	7.78E+03	1.03E-02	9.78E-03	1.042	9.88E-03	3.1059E-04	2.9488E-04	SINTON
86	95.38	20.53	0.00	4.06	6.63E+03	8.80E-03	8.36E-03	.882	9.98E-03	2.6549E-04	2.5206E-04	SINTON
87	96.64	20.53	0.00	4.06	6.20E+03	8.35ZE-03	7.92E-03	.830	1.00E-02	2.5174E-04	2.3899E-04	SINTON
88	99.17	20.53	0.00	4.06	5.71E+03	7.59E-03	7.21E-03	.744	1.02E-02	2.2909E-04	2.1748E-04	SINTON
89	101.70	20.53	0.00	4.06	5.97E+03	7.95E-03	7.55E-03	.752	1.05E-02	2.3978E-04	2.2761E-04	SINTON
90	104.25	20.53	0.00	4.06	5.66E+03	7.56E-03	7.17E-03	.683	1.10E-02	2.2794E-04	2.1638E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1553), G. GLUMER RSI TILE GAPS RUN(78) 1973

TT = 1.160ME+03(K) CONF= 2.20
PT = 1.462ME+05(N/M2) GAP = .127 CM
HT = 1.[illegible]E+06(J/KG) STEP = .318(CM)
RE/METER= 6.313ME+06
MACH = 5.18
QS = 1.533ME+05(N/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													Re/M= 6.316E+06
1	91.57	-20.54	.75	1.02	1.04E+04	1.345E-02	1.278E-02	.972	1.383E-02	2.3465E-04	2.2288E-04	SINTON	
2	91.57	-20.54	.51	1.02	1.87E+04	2.424E-02	2.302E-02	1.753	1.383E-02	4.2288E-04	4.0161E-04	SINTON	
3	91.57	-20.54	.28	1.02	4.41E+04	5.739E-02	5.450E-02	4.149	1.383E-02	1.0012E-03	9.5871E-04	SINTON	
4	91.57	-20.22	.09	1.02	4.51E+04	5.877E-02	5.580E-02	4.248	1.383E-02	1.0251E-03	9.7337E-04	SINTON	
5	91.52	-20.54	.05	1.02	4.69E+04	6.103E-02	5.795E-02	4.411	1.384E-02	1.0646E-03	1.0109E-03	SINTON	
6	91.69	-20.22	0.00	1.02	5.06E+04	6.590E-02	6.257E-02	4.766	1.383E-02	1.1495E-03	1.0914E-03	SINTON	
7	92.02	-20.54	0.00	1.02	5.09E+04	6.641E-02	6.305E-02	4.786	1.388E-02	1.1584E-03	1.0999E-03	SINTON	
8	92.32	-20.54	0.00	1.02	3.60E+04	4.701E-02	4.463E-02	3.381	1.390E-02	8.1999E-04	7.7854E-04	SINTON	
9	92.93	-20.54	0.00	1.02	3.09E+04	4.027E-02	3.823E-02	2.887	1.395E-02	7.0240E-04	6.6690E-04	SINTON	
10	94.09	-20.54	0.00	1.02	2.72E+04	3.538E-02	3.360E-02	2.515	1.407E-02	6.1719E-04	5.8604E-04	SINTON	
11	95.34	-20.54	0.00	1.02	3.18E+04	4.140E-02	3.931E-02	2.876	1.440E-02	7.2220E-04	6.8577E-04	SINTON	
12	96.64	-20.54	0.00	1.02	3.13E+04	4.078E-02	3.872E-02	2.659	1.534E-02	7.1136E-04	6.7547E-04	SINTON	
13	99.18	-20.54	0.00	1.02	3.77E+04	4.904E-02	4.657E-02	2.856	1.717E-02	8.5545E-04	8.1232E-04	SINTON	
14	101.72	-20.54	0.00	1.02	3.59E+04	4.661E-02	4.426E-02	2.421	1.925E-02	8.1297E-04	7.7200E-04	SINTON	
15	104.27	-20.53	0.00	1.02	3.98E+04	5.170E-02	4.910E-02	2.411	2.145E-02	9.0186E-04	8.5644E-04	SINTON	
16	91.44	-20.57	1.02	1.02	2.40E+03	3.177E-03	3.018E-03	.230	1.382E-02	5.5420E-05	5.2649E-05	SINTON	
17	91.44	-18.94	1.02	1.02	2.74E+03	3.626E-03	3.350E-03	.259	1.383E-02	6.1511E-05	5.8436E-05	SINTON	
18	91.57	-18.94	.76	1.02	1.23E+04	1.588E-02	1.509E-02	1.147	1.385E-02	2.7704E-04	2.6315E-04	SINTON	
19	91.57	-18.94	.51	1.02	1.93E+04	2.546E-02	2.412E-02	1.834	1.385E-02	4.4305E-04	4.2078E-04	SINTON	
20	91.57	-18.94	.25	1.02	4.72E+04	6.125E-02	5.817E-02	4.423	1.385E-02	1.0684E-03	1.0146E-03	SINTON	
													Re/M= 4.278E+06
21	88.90	-0.30	0.00	2.03	7.33E+03	1.022E-02	9.711E-03	.726	1.408E-02	1.7901E-04	1.7602E-04	SINTUP	
22	90.17	-0.30	0.00	2.03	1.51E+04	1.953E-02	1.854E-02	1.345	1.452E-02	3.4168E-04	3.2466E-04	SINTUP	
23	91.19	-0.30	0.00	2.03	2.56E+04	3.295E-02	3.129E-02	2.187	1.507E-02	5.7691E-04	5.4793E-04	SINTUP	
24	91.39	-0.30	.05	2.03	2.59E+04	3.340E-02	3.172E-02	2.200	1.518E-02	5.8480E-04	5.5544E-04	SINTUP	
25	91.44	-0.30	.27	2.03	2.58E+04	3.320E-02	3.153E-02	2.183	1.521E-02	5.8125E-04	5.5211E-04	SINTUP	
26	91.44	-0.30	.48	2.03	1.09E+04	1.400E-02	1.330E-02	.921	1.521E-02	2.4521E-04	2.3292E-04	SINTUP	
27	91.44	-0.30	.75	2.03	8.77E+03	1.125E-02	1.069E-02	.740	1.521E-02	1.9705E-04	1.8719E-04	SINTUP	
28	91.44	-0.00	.99	2.03	6.71E+03	8.604E-03	8.174E-03	.566	1.521E-02	1.5065E-04	1.4312E-04	SINTUP	
29	91.44	-0.00	1.22	2.03	4.54E+03	5.812E-03	5.522E-03	.382	1.521E-02	1.0176E-04	9.6680E-05	SINTUP	
30	91.44	-0.00	1.52	2.03	2.43E+03	3.108E-03	2.953E-03	.204	1.521E-02	5.4414E-05	5.1699E-05	SINTUP	
31	91.44	-0.00	2.03	2.03	1.35E+03	1.724E-03	1.638E-03	.113	1.521E-02	3.0180E-05	2.8675E-05	SINTON	
32	91.57	-0.00	1.77	2.03	3.43E+03	4.386E-03	4.167E-03	.287	1.527E-02	7.6799E-05	7.2966E-05	SINTON	
33	91.57	-0.00	1.51	2.03	5.33E+03	6.837E-03	6.496E-03	.448	1.527E-02	1.1972E-04	1.1373E-04	SINTON	
34	91.57	-0.00	1.22	2.03	7.96E+03	1.022E-02	9.709E-03	.669	1.527E-02	1.7894E-04	1.6999E-04	SINTON	
35	91.57	-0.00	.99	2.03	1.09E+04	1.407E-02	1.337E-02	.921	1.527E-02	2.4646E-04	2.3405E-04	SINTON	
36	91.57	-0.00	.75	2.03	1.38E+04	1.782E-02	1.693E-02	1.167	1.527E-02	3.1280E-04	2.9648E-04	SINTON	
37	91.57	-0.00	.48	2.03	1.97E+04	2.545E-02	2.417E-02	1.666	1.527E-02	4.4558E-04	4.2317E-04	SINTON	
38	91.57	-0.00	.27	2.03	5.18E+04	6.698E-02	6.361E-02	4.385	1.527E-02	1.1728E-03	1.1137E-03	SINTON	
39	91.57	-.32	.13	2.03	5.57E+04	7.189E-02	6.828E-02	4.692	1.532E-02	1.2588E-03	1.1954E-03	SINTON	
40	91.62	-0.00	.05	2.03	5.28E+04	6.838E-02	6.493E-02	4.469	1.530E-02	1.1972E-03	1.1368E-03	SINTON	

PAGE 128

AMES 3.5 FT WIND TUNNEL TEST1150B, G. BLUNT RSI TILE GAPS RUN1 7DJ 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAMD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	ML/MRCFF	MREFF (KG/M2-S)	SIL	STT	GAP-TYPE
												RE/M= 4.126E+06
61	91.73	.52	0.00	2.03	5.29E+04	6.84E-02	5.49E-02	4.439	1.34E-02	1.19E-03	1.13E-03	SINTOM
62	91.91	-0.00	0.00	2.03	5.01E+04	6.49E-02	6.16E-02	4.216	1.30E-02	1.13E-03	1.07E-03	SINTOM
63	92.10	-0.00	0.00	2.03	4.51E+04	6.29E-02	6.29E-02	2.877	1.56E-02	7.89E-04	7.49E-04	SINTOM
64	92.92	-0.00	0.00	2.03	3.04E+04	3.94E-02	3.74E-02	2.471	1.59E-02	6.90E-04	6.55E-04	SINTOM
65	94.09	-0.00	0.00	2.03	2.42E+04	3.77E-02	3.58E-02	2.266	1.66E-02	6.60E-04	6.26E-04	SINTOM
66	95.35	-0.00	0.00	2.03	2.94E+04	3.79E-02	3.60E-02	2.182	1.73E-02	6.64E-04	6.30E-04	SINTOM
67	96.62	-0.00	0.00	2.03	3.47E+04	4.47E-02	4.25E-02	2.462	1.83E-02	7.83E-04	7.44E-04	SINTOM
68	99.17	-0.00	0.00	2.03	3.65E+04	4.70E-02	4.46E-02	2.324	2.02E-02	8.23E-04	7.81E-04	SINTOM
69	101.70	-0.00	0.00	2.03	3.72E+04	4.79E-02	4.55E-02	2.149	2.23E-02	8.39E-04	7.97E-04	SINTOM
70	104.25	-0.00	0.00	2.03	4.06E+04	5.25E-02	4.98E-02	2.142	2.45E-02	9.19E-04	8.73E-04	SINTOM
56	91.44	1.59	2.03	2.03	3.97E+02	5.07E-04	4.81E-04	.033	1.54E-02	1.07E-06	8.43E-07	SINTOM
57	91.57	1.59	1.51	2.03	4.93E+03	6.35E-03	6.03E-03	.409	1.55E-02	1.11E-04	1.05E-04	SINTOM
58	91.57	1.59	1.01	2.03	1.04E+04	1.28E-02	1.22E-02	.829	1.55E-02	2.14E-04	2.03E-04	SINTOM
59	91.57	1.59	.47	2.03	1.92E+04	2.48E-02	2.35E-02	1.598	1.55E-02	4.12E-04	3.91E-04	SINTOM
60	91.57	1.59	.26	2.03	4.62E+04	5.97E-02	5.67E-02	3.851	1.55E-02	1.01E-03	9.63E-04	SINTOM
71	91.57	20.53	3.45	0.00	1.33E+03	1.69E-03	1.56E-03	.087	1.88E-02	2.92E-05	2.78E-05	SINTOM
72	91.57	20.53	3.01	0.00	2.06E+03	3.52E-03	3.34E-03	.187	1.88E-02	6.26E-05	5.95E-05	SINTOM
73	91.57	20.53	2.51	0.00	3.19E+03	3.93E-03	3.73E-03	.209	1.88E-02	7.00E-05	6.65E-05	SINTOM
74	91.57	20.53	2.01	0.00	3.77E+03	4.66E-03	4.43E-03	.247	1.88E-02	8.30E-05	7.89E-05	SINTOM
75	91.57	20.53	1.52	0.00	4.69E+03	5.79E-03	5.52E-03	.308	1.88E-02	1.03E-04	9.83E-05	SINTOM
76	91.57	20.53	1.24	0.00	5.70E+03	7.16E-03	6.80E-03	.380	1.88E-02	1.27E-04	1.21E-04	SINTOM
77	91.57	20.53	1.00	0.00	8.00E+03	9.21E-03	7.83E-03	.435	1.80E-02	1.54E-04	1.38E-04	SINTOM
78	91.57	20.53	.74	0.00	8.80E+03	1.07E-02	1.01E-02	.560	1.88E-02	1.90E-04	1.81E-04	SINTOM
79	91.57	20.53	.50	0.00	1.26E+04	1.55E-02	1.47E-02	.821	1.88E-02	2.75E-04	2.61E-04	SINTOM
80	91.57	20.53	.24	0.00	3.96E+04	4.87E-02	4.63E-02	2.586	1.88E-02	8.68E-04	8.24E-04	SINTOM
81	91.62	20.53	.05	0.00	4.11E+04	5.15E-02	4.93E-02	2.732	1.88E-02	9.18E-04	8.72E-04	SINTOM
82	91.80	20.53	0.00	0.00	4.67E+04	5.80E-02	5.57E-02	3.096	1.89E-02	1.04E-03	9.92E-04	SINTOM
83	92.33	20.53	0.00	0.00	3.40E+04	4.35E-02	4.13E-02	2.273	1.91E-02	7.75E-04	7.36E-04	SINTOM
84	92.93	20.53	0.00	0.00	3.05E+04	3.84E-02	3.65E-02	1.987	1.93E-02	6.84E-04	6.50E-04	SINTOM
85	94.38	20.53	0.00	0.00	2.30E+04	3.75E-02	3.56E-02	1.893	1.98E-02	6.69E-04	6.36E-04	SINTOM
86	95.38	20.53	0.00	0.00	2.98E+04	3.76E-02	3.57E-02	1.845	2.04E-02	6.82E-04	7.26E-04	SINTOM
87	96.64	20.53	0.00	0.00	3.44E+04	4.39E-02	4.17E-02	2.087	2.10E-02	7.38E-04	7.01E-04	SINTOM
88	99.17	20.53	0.00	0.00	3.28E+04	4.14E-02	3.93E-02	1.854	2.23E-02	8.96E-04	8.51E-04	SINTOM
89	101.70	20.53	0.00	0.00	3.97E+04	5.03E-02	4.78E-02	2.104	2.39E-02	1.01E-03	9.63E-04	SINTOM
90	104.25	20.53	0.00	0.00	4.50E+04	5.73E-02	5.44E-02	2.223	2.56E-02			SINTOM

AMES 3.5 FT WIND TUNNEL TEST(1158), C, BLUMER RSI TILE GAPS RUN1 711 1973

TT = 1.0967E+03(K) CONF= 2.20
PT = 9.8211E+05(N/M2) GAP = .127 CM
HT = 1.1574E+07(J/KG) STEP = -.1591(CM)
RE/METER= 1.5789E+06
MACH = 3.10
QS = 8.8508E+04(W/M2)
MAX/WT =8.967 FOR MT
MAX/WT =8.876 FOR ML

T/C	X (CM)	YY (CM)	IZ (CM)	GAPG (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MTEFF	HEFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 1.537E+06
1	91.57	-20.56	.75	1.02	3.25E+01	4.616E-05	4.379E-05	.00b	7.531E-03	2.330E-06	2.211E-06	SINTDM	
2	91.57	-20.56	.31	1.02	1.19E+02	1.690E-04	1.603E-04	.022	7.531E-03	8.532E-06	8.093E-06	SINTDM	
3	91.57	-20.56	.28	1.02	1.40E+02	1.987E-04	1.714E-04	.122	7.531E-03	4.630E-05	4.408E-05	SINTDM	
4	91.57	-20.22	.39	1.02	9.85E+02	1.259E-03	1.194E-03	.168	7.511E-03	6.355BE-05	6.020E-05	SINTDM	
5	91.52	-20.56	.05	1.02	1.36E+03	1.929E-03	1.830E-03	.256	7.529E-03	9.741SE-05	9.240E-05	SINTDM	
6	91.63	-20.22	0.00	1.02	1.00E+03	2.362E-03	2.241E-03	.315	7.505E-03	1.192SE-04	1.131E-04	SINTDM	
7	92.02	-20.56	0.00	1.02	2.15E+03	3.059E-03	2.901E-03	.407	7.510E-03	1.544SE-04	1.464E-04	SINTDM	
8	92.32	-20.56	0.00	1.02	3.70E+03	5.354E-03	5.079E-03	.714	7.497E-03	2.763BE-04	2.5643E-04	SINTDM	
9	92.80	-20.56	0.00	1.02	4.22E+03	6.017E-03	5.707E-03	.805	7.474E-03	3.038BE-04	2.881E-04	SINTDM	
10	96.89	-20.56	0.00	1.02	4.15E+03	5.906E-03	5.602E-03	.79b	7.455E-03	2.982ZE-04	2.828SE-04	SINTDM	
11	95.34	-20.56	0.00	1.02	4.62E+03	6.580E-03	6.240E-03	.89%	7.367E-03	3.326SE-04	3.155BE-04	SINTDM	
12	96.64	-20.56	0.00	1.02	4.74E+03	6.720E-03	6.382E-03	.91b	7.361E-03	3.397IE-04	3.222SE-04	SINTDM	
13	99.18	-20.56	0.00	1.02	4.99E+03	6.960E-03	6.601E-03	.955	7.298E-03	3.514BE-04	3.333ZE-04	SINTDM	
14	101.72	-20.56	0.00	1.02	4.55E+03	6.472E-03	6.139E-03	.931	6.968E-03	3.260BE-04	3.099SE-04	SINTDM	
15	104.27	-20.53	0.00	1.02	3.51E+03	4.997E-03	4.740E-03	.773	6.468E-03	2.523BE-04	2.393BE-04	SINTDM	
16	91.44	-20.53	1.32										
17	91.44	-18.36	1.32										
18	91.57	-18.36	.75	1.02	3.94E+01	5.609E-05	5.321E-05	.008	7.435E-03	2.032BE-06	2.606BE-06	SINTDM	
19	91.57	-18.36	.51	1.02	7.71E+01	1.096E-04	1.040E-04	.015	7.435E-03	5.535BE-06	5.250ZE-06	SINTDM	
20	91.57	-18.36	.25	1.02	5.84E+02	8.371E-04	7.940E-04	.113	7.435E-03	4.228ZE-05	4.089ZE-05	SINTDM	
													RE/M= 1.555E+06
21	88.90	-0.00	0.00	2.03	4.03E+03	6.782E-03	6.434E-03	.963	7.033E-03	3.440BE-04	3.271SE-04	SINTUP	
22	90.17	-0.00	0.00	2.03	5.14E+01	7.276E-03	6.902E-03	1.039	7.002E-03	3.699BE-04	3.569BE-04	SINTUP	
23	91.19	-0.00	0.00	2.03	4.58E+03	6.323E-03	5.998E-03	.910	6.958E-03	3.214BE-04	3.084BE-04	SINTUP	
24	91.39	-0.00	.05	2.03	3.35E+03	4.708E-03	4.466E-03	.678	6.939E-03	2.393BE-04	2.270BE-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.49E+03	2.098E-03	1.990E-03	.302	6.936E-03	1.066BE-04	1.011BE-04	SINTUP	
26	91.44	-0.00	.48	2.03	3.04E+02	4.270E-04	4.051E-04	.062	6.936E-03	2.171ZE-05	2.059BE-05	SINTUP	
27	91.44	-0.00	.75	2.03	7.50E+01	1.060E-04	1.005E-04	.015	6.936E-03	5.387BE-06	5.111IE-06	SINTUP	
28	91.44	-0.00	.99	2.03	2.94E+01	4.129E-05	3.917E-05	.00b	6.936E-03	2.099ZE-06	1.991TE-06	SINTUP	
29	91.44	-0.00	1.22	2.03	1.39E+01	1.967E-05	1.867E-05	.003	6.936E-03	9.899BE-07	9.391BE-07	SINTUP	
30	91.44	-0.00	1.32										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77	2.03	9.53E+00	1.343E-05	1.275E-05	.002	6.930E-03	6.830BE-07	6.480BE-07	SINTDM	
33	91.57	-0.00	1.51	2.03	9.10E+00	1.286E-05	1.220E-05	.002	6.930E-03	6.540BE-07	6.205JE-07	SINTDM	
34	91.57	-0.00	1.22										
35	91.57	-0.00	.99	2.03	9.63E+00	1.322E-05	1.255E-05	.002	6.930E-03	6.723SE-07	6.379BE-07	SINTDM	
36	91.57	-0.00	.75	2.03	3.02E+01	4.237E-05	4.020E-05	.006	6.930E-03	2.154SE-06	2.044BE-06	SINTDM	
37	91.57	-0.00	.46	2.03	1.25E+02	1.689E-04	1.603E-04	.024	6.930E-03	8.589BE-06	8.148ZE-06	SINTDM	
38	91.57	-0.00	.27	2.03	7.39E+02	7.553E-04	7.166E-04	.109	6.930E-03	3.804BE-05	3.604JE-05	SINTDM	
39	91.57	.32	.13	2.03	9.72E+02	1.363E-03	1.293E-03	.197	6.933E-03	6.930BE-05	6.575BE-05	SINTDM	
40	91.52	-0.00	.35	2.03	1.14E+03	1.598E-03	1.516E-03	.231	6.927E-03	8.122ZE-05	7.708ZE-05	SINTDM	
41	91.73	.42	0.00	2.03	1.79E+03	2.513E-03	2.384E-03	.363	6.924E-03	1.277ZE-04	1.212IE-04	SINTDM	
42	91.91	-0.00	0.00	2.03	2.11E+03	2.967E-03	2.814E-03	.429	6.917E-03	1.508BE-04	1.431BE-04	SINTDM	
43	92.34	-0.00	0.00	2.03	3.38E+03	4.72BE-03	4.484E-03	.68b	6.892E-03	2.403IE-04	2.279ZE-04	SINTDM	
44	92.92	-0.00	0.00	2.03	3.70E+03	5.294E-03	5.013E-03	.77b	6.865E-03	2.686SE-04	2.546BE-04	SINTDM	
45	94.03	-0.00	0.00	2.03	3.80E+03	5.337E-03	5.063E-03	.785	6.799E-03	2.713JE-04	2.573BE-04	SINTDM	

AMES 3.5 FT WIND TUNNEL TEST(1568), C. BLUMER RSI TILE GAPS RUN(71) 1973 PAGE 122

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
46	95.35	-0.00	0.00	2.03	3.72E+03	5.233E-03	4.962E-03	.775	6.750E-03	2.6592E-04	2.5227E-04	SINTON
47	96.62	-0.00	0.00	2.03	4.33E+03	6.089E-03	5.776E-03	.903	6.743E-03	3.0957E-04	2.9367E-04	SINTON
48	99.17	-0.00	0.00	2.03	4.21E+03	5.915E-03	5.611E-03	.879	6.729E-03	3.0073E-04	2.8529E-04	SINTON
49	101.70	-0.00	0.00	2.03	3.93E+03	5.516E-03	5.232E-03	.833	6.618E-03	2.8043E-04	2.6633E-04	SINTON
50	104.25	-0.00	0.00	2.03	2.76E+03	3.872E-03	3.673E-03	.600	6.458E-03	1.9686E-04	1.8675E-04	SINTON
56	91.44	1.59	2.33	2.03	1.75E+01	2.460E-05	2.334E-05	.004	6.953E-03	1.2506E-06	1.1865E-06	SINTON
57	91.57	1.59	1.91									
58	91.57	1.59	1.01	2.03	1.40E+01	1.967E-05	1.866E-05	.003	6.947E-03	9.9989E-07	9.4865E-07	SINTON
59	91.57	1.59	.47	2.03	1.20E+02	1.690E-04	1.603E-04	.024	6.947E-03	8.5907E-06	8.1501E-06	SINTON
60	91.57	1.59	.26	2.03	5.74E+02	8.056E-04	7.642E-04	.116	6.947E-03	4.0957E-05	3.8856E-05	SINTON
											RE/M=	1.528E+06
71	91.57	20.53	3.45	4.06	5.93E+01	8.147E-06	7.732E-06	.001	7.837E-03	4.1837E-07	3.9705E-07	SINTON
72	91.57	20.53	3.01									
73	91.57	20.53	2.51	4.06	4.86E+00	6.674E-06	6.334E-06	.001	7.837E-03	3.4275E-07	3.2529E-07	SINTON
74	91.57	20.53	2.01	4.06	2.15E+00	2.952E-06	2.801E-06	.000	7.837E-03	1.5157E-07	1.4385E-07	SINTON
75	91.57	20.53	1.52	4.06	5.34E+00	7.405E-06	7.027E-06	.001	7.837E-03	3.8026E-07	3.6087E-07	SINTON
76	91.57	20.53	1.24	4.06	3.88E+00	5.337E-06	5.065E-06	.001	7.837E-03	2.7406E-07	2.6009E-07	SINTON
77	91.57	20.53	1.00	4.06	8.21E+00	1.128E-05	1.071E-05	.001	7.837E-03	5.7936E-07	5.4982E-07	SINTON
78	91.57	20.53	.74	4.06	2.96E+01	4.061E-05	3.854E-05	.005	7.837E-03	2.0857E-06	1.9793E-06	SINTON
79	91.57	20.53	.50	4.06	5.97E+01	8.205E-05	7.786E-05	.010	7.837E-03	4.2134E-06	3.9985E-06	SINTON
80	91.57	20.53	.24	4.06	6.74E+02	9.269E-04	8.796E-04	.118	7.837E-03	4.7598E-05	4.5170E-05	SINTON
81	91.62	20.53	.05	4.06	1.42E+03	1.960E-03	1.860E-03	.250	7.835E-03	1.0063E-04	9.5495E-05	SINTON
82	91.88	20.53	0.00	4.06	2.24E+03	3.083E-03	2.926E-03	.394	7.828E-03	1.5834E-04	1.5026E-04	SINTON
83	92.83	20.53	0.00	4.06	3.73E+03	5.132E-03	4.870E-03	.657	7.806E-03	2.6355E-04	2.5008E-04	SINTON
84	92.83	20.53	0.00	4.06	4.10E+03	5.761E-03	5.466E-03	.740	7.786E-03	2.9584E-04	2.8072E-04	SINTON
85	94.08	20.53	0.00	4.06	4.49E+03	6.182E-03	5.866E-03	.799	7.736E-03	3.1748E-04	3.0125E-04	SINTON
86	95.38	20.53	0.00	4.06	4.42E+03	6.095E-03	5.784E-03	.793	7.683E-03	3.1302E-04	2.9701E-04	SINTON
87	96.64	20.53	0.00	4.06	4.74E+03	6.535E-03	6.201E-03	.857	7.629E-03	3.3559E-04	3.1842E-04	SINTON
88	99.17	20.53	0.00	4.06	4.79E+03	6.607E-03	6.269E-03	.879	7.520E-03	3.3932E-04	3.2195E-04	SINTON
89	101.70	20.53	0.00	4.06	5.10E+03	7.045E-03	6.684E-03	.954	7.387E-03	3.6180E-04	3.4327E-04	SINTON
90	104.25	20.53	0.00	4.06	3.68E+03	5.086E-03	4.826E-03	.702	7.242E-03	2.6118E-04	2.4781E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1150). C. BLUMER RSI TILE GAPS RUN# 721 1973 PAGE 123

TT = 1.1352E+03(K) CONF= 2.20
PT = 9.1076E+05(N/M2) GAP = .127 CM
MT = 1.2054E+06(J/KG) STEP = -.1594CM
RE/METER= 2.4936E+06
MACH = 5.10
OS = 1.1818E+05(N/M2)
MAW/MT =0.907 FOR MT
MAW/MT =0.876 FOR TT

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 2.493E+06
1	91.57	-26.54	.75	1.02	3.59E+01	4.823E-05	4.579E-05	.060	0.529E-03	1.409E-06	1.414E-06	SINTDN	
2	91.57	-20.54	.51	1.02	1.10E+02	1.557E-04	1.478E-04	.018	0.529E-03	4.807E-06	4.564E-06	SINTDN	
3	91.57	-20.54	.28	1.02	6.59E+02	8.869E-04	8.418E-04	.104	0.[illegible]E-03	2.730E-05	2.599E-05	SINTDN	
4	91.57	-20.54	.09	1.02	8.87E+02	1.194E-03	1.133E-03	.149	0.522E-03	3.686E-05	3.499E-05	SINTDN	
5	91.62	-20.54	.05	1.02	1.30E+03	1.833E-03	1.740E-03	.215	0.527E-03	5.661E-05	5.374E-05	SINTDN	
6	91.63	-20.22	0.00	1.02	1.59E+03	2.274E-03	2.159E-03	.267	0.515E-03	7.023E-05	6.667E-05	SINTDN	
7	92.02	-20.54	0.00	1.02	2.18E+03	2.938E-03	2.782E-03	.345	0.504E-03	9.049E-05	8.590E-05	SINTDN	
8	92.32	-20.54	0.00	1.02	4.06E+03	5.677E-03	5.198E-03	.645	0.407E-03	1.691E-04	1.605E-04	SINTDN	
9	92.80	-26.54	0.00	1.02	4.74E+03	6.399E-03	6.073E-03	.756	0.460E-03	1.976E-04	1.875E-04	SINTDN	
10	94.09	-20.54	0.00	1.02	4.60E+03	6.310E-03	5.997E-03	.753	0.387E-03	1.951E-04	1.852E-04	SINTDN	
11	95.34	-20.54	0.00	1.02	5.31E+03	7.156E-03	6.792E-03	.850	0.343E-03	2.209E-04	2.097E-04	SINTDN	
12	96.04	-20.54	0.00	1.02	5.54E+03	7.396E-03	7.021E-03	.883	0.374E-03	2.284E-04	2.168E-04	SINTDN	
13	99.18	-20.54	0.00	1.02	5.61E+03	7.572E-03	7.187E-03	.898	0.433E-03	2.338E-04	2.219E-04	SINTDN	
14	101.72	-20.54	0.00	1.02	4.92E+03	6.677E-03	6.337E-03	.815	0.819E-03	2.061E-04	1.957E-04	SINTDN	
15	104.27	-20.53	0.00	1.02	3.36E+03	4.538E-03	4.308E-03	.581	7.811E-03	1.401E-04	1.330E-04	SINTDN	
16	91.44	-20.53	1.02										
17	91.44	-18.34	1.02										
18	91.57	-19.34	.76	1.02	3.54E+01	4.756E-05	4.517E-05	.006	0.492E-03	1.469E-06	1.379E-06	SINTDN	
19	91.57	-18.94	.51	1.02	1.15E+02	1.541E-04	1.463E-04	.018	0.492E-03	4.759E-06	4.512E-06	SINTDN	
20	91.57	-19.94	.25	1.02	5.52E+02	7.421E-04	7.044E-04	.087	0.492E-03	2.291E-05	2.175E-05	SINTDN	
													RE/M= 2.62E+06
21	88.90	-0.00	0.00	2.03	5.03E+03	7.024E-03	7.239E-03	.929	0.208E-03	2.383E-04	2.263E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	6.26E+03	8.748E-03	7.831E-03	1.000	0.234E-03	2.578E-04	2.448E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	5.40E+03	7.114E-03	6.820E-03	.865	0.305E-03	2.245E-04	2.132E-04	SINTUP	
24	91.39	-0.00	.05	2.03	4.03E+03	5.381E-03	5.111E-03	.647	0.317E-03	1.683E-04	1.598E-04	SINTUP	
25	91.44	-0.00	.27	2.03	1.83E+03	2.401E-03	2.280E-03	.289	0.320E-03	7.507E-05	7.128E-05	SINTUP	
26	91.44	-0.00	.46	2.03	3.85E+02	5.069E-04	4.813E-04	.061	0.320E-03	1.580E-05	1.500E-05	SINTUP	
27	91.44	-0.00	.75	2.03	9.15E+01	1.201E-04	1.141E-04	.014	0.320E-03	3.756E-06	3.566E-06	SINTUP	
28	91.44	-6.00	.99	2.03	2.27E+01	6.215E-05	6.706E-05	.008	0.320E-03	2.162E-06	2.053E-06	SINTUP	
29	91.44	-3.00	1.22	2.03	1.61E+01	2.118E-05	2.004E-05	.003	0.320E-03	6.598E-07	6.266E-07	SINTUP	
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03	2.03	4.32E+00	5.656E-06	5.372E-06	.001	0.320E-03	1.766E-07	1.679E-07	SINTDN	
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51	2.03	4.32E+00	5.658E-06	5.373E-06	.001	0.320E-03	1.769E-07	1.681E-07	SINTDN	
34	91.57	-0.00	1.22	2.03	1.15E+01	1.507E-05	1.431E-05	.002	0.320E-03	4.712E-07	4.476E-07	SINTDN	
35	91.57	-0.00	.99	2.03	2.50E+01	3.276E-05	3.111E-05	.004	0.320E-03	1.024E-06	9.727E-07	SINTDN	
36	91.57	-0.00	.75	2.03	5.12E+01	6.715E-05	6.378E-05	.008	0.320E-03	2.100E-06	1.994E-06	SINTDN	
37	91.57	-0.00	.48	2.03	1.44E+02	1.887E-04	1.792E-04	.023	0.320E-03	5.900E-06	5.603E-06	SINTDN	
38	91.57	-0.00	.27	2.03	6.16E+02	8.080E-04	7.673E-04	.097	0.320E-03	2.526E-05	2.399E-05	SINTDN	
39	91.57	.32	.13	2.03	1.34E+03	1.371E-03	1.301E-03	.164	0.335E-03	4.285E-05	4.069E-05	SINTDN	
40	91.52	-0.00	.05	2.03	1.22E+03	1.599E-03	1.516E-03	.192	0.331E-03	4.992E-05	4.741E-05	SINTDN	
41	91.73	.32	0.00	2.03	1.08E+03	2.475E-03	2.350E-03	.297	0.349E-03	7.739E-05	7.348E-05	SINTDN	
42	91.81	-0.00	0.00	2.03	2.20E+03	2.994E-03	2.843E-03	.359	0.342E-03	9.362E-05	8.889E-05	SINTDN	
43	92.30	-0.00	0.00	2.03	3.83E+03	5.634E-03	4.779E-03	.601	0.372E-03	1.573E-04	1.494E-04	SINTDN	
44	92.32	-0.00	0.00	2.03	4.33E+03	5.720E-03	5.431E-03	.681	0.403E-03	1.780E-04	1.690E-04	SINTDN	

AMES 3.5 FT WIND TUNNEL TEST(154), C. BLUMER RSI TILE GAPS RUN(72) 1973 PAGE 124

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
											RE/M=	2.342E+06
45	96.89	-0.00	0.00	2.03	4.51E+03	5.931E-03	5.632E-03	.780	8.479E-03	1.0545E-04	1.7608E-04	SINTDN
46	92.35	-4.00	0.00	2.03	4.41E+03	5.809E-03	5.515E-03	.679	8.555E-03	1.0162E-04	1.7244E-04	SINTDN
47	90.62	-0.00	0.00	2.03	5.20E+03	6.922E-03	6.572E-03	.882	8.620E-03	2.1644E-04	2.0550E-04	SINTDN
48	99.17	-0.00	0.00	2.03	5.04E+03	6.637E-03	6.302E-03	.756	8.776E-03	2.0751E-04	1.9703E-04	SINTDN
49	101.74	-0.00	0.00	2.03	4.39E+03	5.781E-03	5.489E-03	.649	8.907E-03	1.8875E-04	1.7162E-04	SINTDN
50	104.25	-0.00	0.00	2.03	2.75E+03	3.616E-03	3.434E-03	.401	9.030E-03	1.1307E-04	1.0736E-04	SINTDN
56	91.44	1.59	2.03									
57	91.57	1.59	1.51									
58	91.57	1.59	1.01	2.03	9.50E+01	1.244E-04	1.182E-04	.015	8.364E-03	3.8899E-06	3.6942E-06	SINTDN
59	91.57	1.59	.47	2.03	1.47E+02	1.930E-04	1.833E-04	.023	8.364E-03	6.0357E-06	5.7316E-06	SINTDN
60	91.57	1.59	.26	2.03	6.20E+02	8.145E-04	7.735E-04	.097	8.364E-03	2.5468E-05	2.4184E-05	SINTDN
71	91.57	20.53	3.45	4.06	7.01E+00	8.993E-06	8.545E-06	.001	8.818E-03	2.8204E-07	2.6872E-07	SINTDN
72	91.57	20.53	3.31	4.06	5.39E+00	6.844E-06	6.502E-06	.001	8.818E-03	2.1742E-07	2.0657E-07	SINTDN
73	91.57	20.53	2.51									
74	91.57	20.53	2.01	4.06	8.63E+00	1.097E-05	1.042E-05	.001	8.818E-03	3.4640E-07	3.3108E-07	SINTDN
75	91.57	20.53	1.52									
76	91.57	20.53	1.24									
77	91.57	20.53	1.06									
78	91.57	20.53	.74	4.06	2.02E+01	2.571E-05	2.443E-05	.003	8.818E-03	8.1685E-07	7.7601E-07	SINTDN
79	91.57	20.53	.50	4.06	7.31E+01	9.303E-05	8.837E-05	.011	8.818E-03	2.9554E-06	2.8075E-06	SINTDN
80	91.57	20.53	.24	4.06	7.49E+02	9.531E-04	9.054E-04	.108	8.819E-03	3.0276E-05	2.8762E-05	SINTDN
81	91.62	20.53	.05	4.06	1.37E+03	1.751E-03	1.663E-03	.199	8.819E-03	5.5615E-05	5.2838E-05	SINTDN
82	91.88	20.53	0.00	4.06	2.25E+03	2.865E-03	2.722E-03	.325	8.823E-03	9.1022E-05	8.6458E-05	SINTDN
83	92.33	20.53	0.00	4.06	4.08E+03	5.193E-03	4.933E-03	.588	8.835E-03	1.6499E-04	1.5670E-04	SINTDN
84	92.83	20.53	0.00	4.06	4.74E+03	6.064E-03	5.759E-03	.685	8.847E-03	1.9263E-04	1.8295E-04	SINTDN
85	94.08	20.53	0.00	4.06	5.22E+03	6.687E-03	6.351E-03	.753	8.876E-03	2.1244E-04	2.0174E-04	SINTDN
86	95.38	20.53	0.00	4.06	5.02E+03	6.429E-03	6.106E-03	.723	8.898E-03	2.0424E-04	1.9394E-04	SINTDN
87	96.04	20.53	0.00	4.06	5.33E+03	6.837E-03	6.492E-03	.768	8.902E-03	2.1718E-04	2.0625E-04	SINTDN
88	99.17	20.53	0.00	4.06	5.35E+03	6.865E-03	6.519E-03	.771	8.909E-03	2.1808E-04	2.0709E-04	SINTDN
89	101.78	20.53	0.00	4.06	5.58E+03	7.161E-03	6.800E-03	.791	9.051E-03	2.2751E-04	2.1603E-04	SINTDN
90	104.25	20.53	0.00	4.06	3.15E+03	4.045E-03	3.841E-03	.437	9.259E-03	1.2851E-04	1.2203E-04	SINTDN

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(73) 1973 PAGE 125

TT = 1.1449E+03(K) CONF= 2.20
PT = 1.4628E+06(N/M2) GAP = .127 CM
HT = 1.2179E+06(J/KG) STEP = -.159(CM)
RE/METER= 4.4280E+06
MACH = 5.10
QS = 1.4962E+05(W/M2)
MAW/MT =0.967 FOR HT
MAW/MT =0.874 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.428E+06
1	91.57	-20.54	.75	1.02	1.37E+02	1.819E-04	1.727E-04	.013	1.419E-02	3.1352E-06	2.9765E-06	SINTON	
2	91.5	-20.54	.51	1.02	2.14E+02	2.842E-04	2.698E-04	.020	1.419E-02	4.8991E-06	4.6508E-06	SINTON	
3	91.57	-20.54	.28	1.02	9.80E+02	1.305E-03	1.239E-03	.092	1.419E-02	2.2498E-05	2.1356E-05	SINTON	
4	91.57	-20.22	.00	1.02	1.27E+03	1.690E-03	1.604E-03	.119	1.420E-02	2.9133E-05	2.7653E-05	SINTON	
5	91.62	-20.54	.05	1.02	1.88E+03	2.501E-03	2.374E-03	.176	1.420E-02	4.3112E-05	4.0922E-05	SINTON	
6	91.69	-20.22	0.00	1.02	2.31E+03	3.087E-03	2.930E-03	.217	1.421E-02	5.3218E-05	5.0512E-05	SINTON	
7	92.02	-20.54	0.00	1.02	3.11E+03	4.157E-03	3.945E-03	.292	1.424E-02	7.1661E-05	6.8016E-05	SINTON	
8	92.32	-20.54	0.00	1.02	3.96E+03	5.484E-03	5.052E-03	.595	1.427E-02	1.4625E-04	1.3838E-04	SINTON	
9	92.80	-20.54	0.00	1.02	7.97E+03	1.068E-02	1.013E-02	.746	1.431E-02	1.8403E-04	1.7465E-04	SINTON	
10	94.09	-20.54	0.00	1.02	8.27E+03	1.107E-02	1.050E-02	.767	1.444E-02	1.9082E-04	1.8109E-04	SINTON	
11	95.34	-20.54	0.00	1.02	1.01E+04	1.354E-02	1.285E-02	.916	1.473E-02	2.3348E-04	2.2156E-04	SINTON	
12	96.64	-20.54	0.00	1.02	1.08E+04	1.447E-02	1.373E-02	.916	1.580E-02	2.4943E-04	2.3676E-04	SINTON	
13	99.18	-20.54	0.00	1.02	1.32E+04	1.761E-02	1.672E-02	.991	1.778E-02	3.0364E-04	2.8816E-04	SINTON	
14	101.72	-20.54	0.00	1.02	1.34E+04	1.797E-02	1.706E-02	.898	2.002E-02	3.0985E-04	2.9405E-04	SINTON	
15	103.27	-20.53	0.00	1.02	1.46E+04	1.954E-02	1.854E-02	.872	2.239E-02	3.3677E-04	3.1961E-04	SINTON	
16	91.44	-20.53	1.02										
17	91.44	-18.34	1.32										
18	91.57	-18.44	.76										
19	91.57	-19.34	.51	1.02	8.08E+01	1.075E-04	1.021E-04	.008	1.422E-02	1.8534E-06	1.7599E-06	SINTON	
20	91.57	-18.34	.25	1.02	6.85E+02	9.116E-04	8.654E-04	.064	1.422E-02	1.5715E-05	1.4918E-05	SINTON	
													RE/M= 4.367E+06
21	88.90	-0.00	6.00	2.03	6.87E+03	1.167E-02	1.107E-02	.813	1.436E-02	2.0278E-04	1.9258E-04	SINTUP	
22	90.17	-0.00	0.00	2.03	1.00E+04	1.325E-02	1.257E-02	.894	1.481E-02	2.3023E-04	2.1852E-04	SINTUP	
23	91.19	-0.00	0.00	2.03	9.12E+03	1.203E-02	1.141E-02	.782	1.538E-02	2.0902E-04	1.9840E-04	SINTUP	
24	91.39	-0.00	.05	2.03	6.96E+03	9.039E-03	8.580E-03	.553	1.549E-02	1.5711E-04	1.4913E-04	SINTUP	
25	91.44	-0.00	.27	2.03	3.08E+03	4.046E-03	3.841E-03	.261	1.552E-02	7.0323E-05	6.6757E-05	SINTUP	
26	91.44	-0.00	.48	2.03	6.51E+02	8.552E-04	8.119E-04	.055	1.552E-02	1.4866E-05	1.4113E-05	SINTUP	
27	91.44	-0.00	.75	2.03	1.29E+02	1.689E-04	1.604E-04	.011	1.552E-02	2.9357E-06	2.7872E-06	SINTUP	
28	91.44	-0.00	.99	2.03	6.97E+01	9.129E-05	8.668E-05	.006	1.552E-02	1.5868E-06	1.5066E-06	SINTUP	
29	91.44	-0.00	1.22	2.03	1.55E+01	2.028E-05	1.926E-05	.001	1.552E-02	3.5252E-07	3.3476E-07	SINTUP	
30	91.44	-0.00	1.52										
31	91.44	-0.00	2.03										
32	91.57	-0.00	1.77										
33	91.57	-0.00	1.51	2.03	1.77E+01	2.319E-05	2.202E-05	.001	1.559E-02	4.0308E-07	3.8275E-07	SINTON	
34	91.57	-0.00	1.22	2.03	3.03E+01	3.925E-05	3.727E-05	.003	1.559E-02	6.8226E-07	6.4785E-07	SINTON	
35	91.57	-0.00	.49	2.03	2.36E+01	3.114E-05	2.957E-05	.002	1.559E-02	5.4138E-07	5.1399E-07	SINTON	
36	91.57	-0.00	.75	2.03	6.02E+01	7.880E-05	7.482E-05	.005	1.559E-02	1.3697E-06	1.3005E-06	SINTON	
37	91.57	-0.00	.48	2.03	2.13E+02	2.793E-04	2.652E-04	.018	1.559E-02	4.8548E-06	4.6096E-06	SINTON	
38	91.57	-0.00	.27	2.03	9.23E+02	1.210E-03	1.149E-03	.078	1.559E-02	2.1034E-05	1.9978E-05	SINTON	
39	91.57	.32	.13	2.03	1.53E+03	2.002E-03	1.977E-03	.133	1.564E-02	3.6189E-05	3.4359E-05	SINTON	
40	91.62	-0.00	.05	2.03	1.76E+03	2.313E-03	2.196E-03	.148	1.562E-02	4.0205E-05	3.8169E-05	SINTON	
41	91.73	.32	0.00	2.03	3.14E+03	4.193E-03	3.981E-03	.266	1.573E-02	7.2885E-05	6.9195E-05	SINTON	
42	91.91	-0.00	0.00	2.03	3.81E+03	5.099E-03	4.755E-03	.319	1.573E-02	8.7867E-05	8.2653E-05	SINTON	
43	92.10	-0.00	0.00	2.03	7.14E+03	9.393E-03	8.916E-03	.587	1.600E-02	1.6327E-04	1.5498E-04	SINTON	
44	92.42	-0.00	0.00	2.03	8.55E+03	1.125E-02	1.068E-02	.691	1.629E-02	1.9568E-04	1.8567E-04	SINTON	
45	94.39	-0.00	0.00	2.03	9.81E+03	1.291E-02	1.226E-02	.753	1.708E-02	2.2461E-04	2.1382E-04	SINTON	
46	95.35	-0.00	0.00	2.03	1.00E+04	1.395E-02	1.324E-02	.785	1.778E-02	2.4263E-04	2.3012E-04	SINTON	

PAGE 126

AMES 3.5 FT WIND TUNNEL TEST1156), C. BLUNER RSI TILE GAPS RUN1 73) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPU (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.286E+06
47	96.62	-0.00	0.00	2.03	1.39E+04	1.030L-02	1.737E-02	.976	1.057L-02	3.1814E-04	3.0198E-04	SINTUM	
48	99.17	-0.00	0.00	2.03	1.50E+04	2.044E-02	1.944E-02	.989	2.070E-02	3.5593E-04	3.3700E-04	SINTOM	
49	101.72	-0.00	0.00	2.03	1.60E+04	2.373E-02	2.252E-02	1.038	2.285E-02	4.1242E-04	3.9158E-04	SINTOM	
50	84.15	-0.00	0.00	2.03	2.05E+04	2.694E-02	2.557E-02	1.073	2.511E-02	4.6621E-04	4.4468E-04	SINTOM	
56	91.44	1.59	2.03										
57	91.57	1.59	1.51							2.2491E-06	2.1355E-06	SINTOM	
58	91.57	1.59	1.01	2.03	9.90E+01	1.229E-04	1.229E-04	.088	1.585E-02	5.9849E-06	5.6824E-06	SINTOM	
59	91.57	1.59	.67	2.03	2.63E+02	3.443E-04	3.269E-04	.022	1.385E-02	2.2109E-05	2.0991E-05	SINTOM	
60	91.57	1.59	.26	2.03	9.78E+02	1.272E-03	1.208E-03	.085	1.585E-02				
71	91.57	20.53	3.02	4.06	4.30E+01	5.460E-05	5.187L-05	.003	1.937E-02	9.6350E-07	9.1535E-07	SINTOM	
72	91.57	20.53	1.01	4.06	3.11E+01	6.491E-05	6.167E-05	.003	1.937E-02	1.1437E-06	1.0866E-06	SINTOM	
73	91.57	20.53	2.51	4.06	9.13E+00	1.158E-05	1.100E-05	.001	1.937E-02	2.8442E-07	1.9420E-07	SINTOM	
74	91.57	20.53	2.01	4.06	3.01E+01	3.821E-05	3.636E-05	.002	1.937E-02	6.7446E-07	6.4068E-07	SINTOM	
75	91.57	20.53	1.52	4.06	3.49E+01	4.438E-05	4.216E-05	.002	1.937E-02	7.8321E-07	7.4480E-07	SINTOM	
76	91.57	20.53	1.24										
77	91.57	20.53	1.00										
78	91.57	20.53	.74										
79	91.57	20.53	.50							2.8924E-05	2.7466E-05	SINTUM	
80	91.57	20.53	.24	4.06	1.29E+03	1.639E-03	1.558E-03	.085	1.937E-02	5.1914E-05	4.9301E-05	SINTOM	
81	91.62	20.53	.05	4.06	2.31E+03	2.941E-03	2.794E-03	.152	1.933E-02	9.1308E-05	8.6778E-05	SINTOM	
82	91.80	20.51	0.00	4.06	4.05E+03	5.170E-03	4.917E-03	.266	1.946E-02	1.7206E-04	1.6388E-04	SINTOM	
83	92.13	20.51	0.00	4.06	7.63E+03	9.700E-03	9.286E-03	.497	1.960E-02	2.2061E-04	2.0945E-04	SINTOM	
84	92.63	20.53	0.00	4.06	5.74E+03	1.250E-02	1.187E-02	.629	1.388E-02	2.5873E-04	2.4583E-04	SINTOM	
85	94.08	20.53	0.00	4.06	1.14E+04	1.466E-02	1.392E-02	.719	2.038E-02	2.6607E-04	2.5835E-04	SINTOM	
86	95.38	20.53	0.00	4.06	1.16E+04	1.512E-02	1.436E-02	.722	2.095E-02	3.0674E-04	2.9181E-04	SINTOM	
87	96.84	20.53	0.00	4.06	1.35E+04	1.730L-02	1.650E-02	.803	2.163E-02	3.1531E-04	2.9930E-04	SINTOM	
88	99.17	20.51	0.00	4.06	1.39E+04	1.787E-02	1.696L-02	.777	2.300E-02	3.8361E-04	3.8388E-04	SINTOM	
89	101.70	20.53	0.00	4.06	1.77E+04	2.287E-02	2.171E-02	.929	2.461E-02	4.2803E-04	4.0784E-04	SINTOM	
90	104.25	20.53	0.00	4.06	1.88E+04	2.430E-02	2.306E-02	.922	2.635E-02				

AMES 3.5 FT WIND TUNNEL TEST(1150), G. BLUMER RSI TILE GAPS RUN1 7&9 1973

PT = 1.121?E+03(K) CONF= 3.51
PP = 4.561?E+05(N/M2) GAP = .254 CM
MT = 1.1865E+05(J/KG) STEP = 0.000(CM)
RE/METER= 1.4313E+06
MACH = 5.16
QS = 4.0209E+04(W/M2)
MAW/MT =0.907 FOR MT
MAW/MT =0.976 FOR ML

RE/M= 1.031E+06

I=S	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
281	122.17	-20.54	.75	0.00	7.02E+03	1.058E-02	1.084E-02	.933	1.139E-02	5.842?E-04	5.544?E-04	MULTPL
282	122.17	-20.54	.21	0.00	7.24E+03	9.063E-03	9.359E-03	.890	1.108E-02	5.445?E-04	5.166?E-04	MULTPL
283	122.17	-20.54	.78	0.00	7.15E+03	9.065E-03	9.171E-03	.967	1.066E-02	5.335?E-04	5.063?E-04	MULTPL
284	122.17	-20.22	.09	0.00	7.50E+03	8.790E-03	8.340E-03	1.001	8.792E-03	4.056?E-04	4.608?E-04	MULTPL
285	122.22	-20.54	.85	0.00	6.66E+03	8.987E-03	8.528E-03	1.044	8.605E-03	4.961?E-04	4.707?E-04	MULTPL
286	122.38	-20.22	0.00	0.00	5.50E+03	7.540E-03	7.154E-03	.780	9.669E-03	4.162?E-04	3.949?E-04	MULTPL
287	122.63	-20.54	0.00	0.00	5.21E+03	7.043E-03	6.683E-03	.749	9.443E-03	3.888?E-04	3.689?E-04	MULTPL
288	122.93	-20.54	0.00	0.00	4.92E+03	6.051E-03	6.312E-03	.732	9.080E-03	3.671?E-04	3.484?E-04	MULTPL
289	123.61	-20.54	0.00	0.00	4.98E+03	6.7?9E-03	6.385E-03	.920	7.316E-03	3.717?E-04	3.524?E-04	MULTPL
290	124.70	-20.54	0.00	0.00	5.00E+03	6.837E-03	6.488E-03	.941	7.267E-03	3.747?E-04	3.581?E-04	MULTPL
311	62.23	-0.00	0.00	0.00	6.53E+03	8.797E-03	8.348E-03	1.061	8.293E-03	4.856?E-04	4.608?E-04	MULTPL
312	64.64	-0.00	0.00	0.00	6.68E+03	8.670E-03	8.226E-03	1.083	8.004E-03	4.782?E-04	4.541?E-04	MULTPL
313	66.45	-0.00	0.00	0.00	5.93E+03	8.010E-03	7.600E-03	1.062	7.547E-03	4.426?E-04	4.200?E-04	MULTPL
314	67.58	-0.00	0.00	0.00	5.52E+03	7.475E-03	7.093E-03	1.000	6.918E-03	4.126?E-04	3.915?E-04	MULTPL
315	69.92	-0.00	0.00	0.00	5.76E+03	7.769E-03	7.372E-03	1.136	6.840E-03	4.2?.1E-04	4.070?E-04	MULTPL
316	77.47	-0.00	0.00	0.00	5.03E+03	6.807E-03	6.459E-03	.944	7.212E-03	3.757?E-04	3.565?E-04	MULTPL
317	90.77	-0.00	0.00	0.00	4.99E+03	6.764E-03	6.603E-03	.946	7.136E-03	3.725?E-04	3.534?E-04	MULTPL
318	8.38	-0.00	0.00	0.00	4.75E+03	6.431E-03	6.102E-03	.462	1.392E-02	3.550?E-04	3.360?E-04	MULTPL
319	10.90	-0.00	0.00	0.00	4.75E+03	6.430E-03	6.102E-03	.471	1.365E-02	3.549?E-04	3.360?E-04	MULTPL
221	114.03	-0.00	0.00	0.00								
222	120.90	-0.00	0.00	0.00								
223	125.42	-0.00	0.00	0.00								
224	127.12	-0.00	.05	0.00								
225	122.17	-0.00	.27	0.00								
226	122.17	-0.00	.48	0.00								
227	122.17	-0.00	.75	0.00								
228	122.17	-0.00	.99	0.00								
229	122.17	-0.00	1.22	0.00								
230	122.17	-0.00	1.52	0.00								
231	122.35	-0.00	2.03	0.00								
232	122.17	-0.00	1.77	0.00								
233	122.17	-0.00	1.51	0.00								
234	122.17	-0.00	1.22	0.00								
235	122.17	-0.00	.99	0.00								
236	122.17	-0.00	.75	0.00								
237	122.17	-0.00	.48	0.00								
238	122.17	-0.00	.27	0.00								
23?	122.17	-0.00	.13	0.00								

RE/M= 1.356E+06

24	122.22	-0.00	.05									
241	122.34	.12	0.00									
242	122.42	-0.00	0.00									
243	122.31	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.70	-0.00	0.00									
246	125.96	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
249	132.31	-0.00	0.00									
250	134.86	-0.00	0.00									
276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74									
279	122.17	20.53	.50									
280	122.17	20.53	.24									
281	122.27	20.53	.05									
282	122.41	20.53	0.00									
283	122.94	20.53	0.00									
284	123.44	20.53	0.00									
285	124.69	20.53	0.00									
286	125.99	20.53	0.00									
287	127.24	20.53	0.00									
288	129.77	20.53	0.00									
289	132.31	20.53	0.00									
290	42.16	20.53	0.00									
201	122.17	-20.54	.75	1.02	6.75E+01	9.33E-05	8.05E-05	6.09E-03	1.100	5.83E-03	3.54E-04	3.36E-04 SINTUP
202	122.17	-20.54	.51	1.02	4.69E+02	5.66E-04	5.37E-04	6.42E-03	1.132	5.76E-03	3.66E-04	3.41E-04 SINTUP
203	122.17	-20.54	.26	1.02	1.89E+03	2.61E-03	2.48E-03	6.52E-03	.880	5.69E-03	2.76E-04	2.62E-04 SINTUP
204	122.17	-20.22	.03	1.02	2.32E+03	3.22E-03	3.05E-03	6.09E-03				
205	122.22	-20.54	-.03	1.02	3.11E+03	4.31E-03	4.09E-03	6.42E-03				
206	122.30	-20.54	0.00	1.02	3.48E+03	4.82E-03	4.57E-03	6.52E-03				
207	122.53	-20.54	0.00	1.02	4.07E+03	5.64E-03	5.35E-03	6.09E-03				
208	122.93	-20.54	0.00	1.02	4.54E+03	6.43E-03	6.10E-03	6.42E-03				
209	123.41	-20.54	0.00	1.02	4.55E+03	6.31E-03	5.99E-03	6.52E-03				
210	124.76	-20.54	0.00	1.02	4.18E+03	5.80E-03	5.50E-03	6.09E-03				
301	31.75	0.00	0.00	2.03	4.74E+03	6.42E-03	6.09E-03	6.42E-03	1.100	5.83E-03	3.54E-04	3.36E-04 SINTUP
302	34.15	0.00	0.00	2.03	4.71E+03	6.52E-03	6.19E-03	6.52E-03	1.132	5.76E-03	3.66E-04	3.41E-04 SINTUP
303	37.47	0.00	0.00	2.03	3.70E+03	5.06E-03	4.75E-03	6.09E-03	.880	5.69E-03	2.76E-04	2.62E-04 SINTUP
304	37.52	0.00	0.00									
305	39.44	0.00	0.00									
306	46.99	0.00	0.00									
307	49.40	0.00	0.00									
308	53.21	0.00	0.00									
309	72.20	0.00	0.00									
310	74.68	0.00	0.00									
311	82.23	0.00	0.00									
312	84.64	0.00	0.00									
313	85.45	0.00	0.00									
314	87.51	0.00	0.00									
315	89.92	0.00	0.00									
316	77.47	0.00	0.00									
317	96.77	0.00	0.00									
318	8.36	0.00	0.00									
319	10.80	0.00	0.00									
221	119.63	0.00	0.00									
222	124.70	0.00	0.00									
22	121.92	0.00	0.00									

RE/M= 1.431E+06

24	122.22	-0.00	.05									
241	122.34	.12	0.00									
242	122.42	-0.00	0.00									
243	122.31	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.70	-0.00	0.00									
246	125.96	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
249	132.31	-0.00	0.00									
250	134.86	-0.00	0.00									
276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74									
279	122.17	20.53	.50									
280	122.17	20.53	.24									
281	122.27	20.53	.05									
282	122.41	20.53	0.00									
283	122.94	20.53	0.00									
284	123.44	20.53	0.00									
285	124.69	20.53	0.00									
286	125.99	20.53	0.00									
287	127.24	20.53	0.00									
288	129.77	20.53	0.00									
289	132.31	20.53	0.00									
290	42.16	20.53	0.00									
201	122.17	-20.54	.75	1.02	6.75E+01	9.33E-05	8.05E-05	7.33E-03	.013	7.33E-03	5.08E-06	4.82E-06 SINTDM
202	122.17	-20.54	.51	1.02	4.69E+02	5.66E-04	5.37E-04	7.33E-03	.077	7.33E-03	3.09E-05	2.93E-05 SINTDM
203	122.17	-20.54	.26	1.02	1.89E+03	2.61E-03	2.48E-03	7.33E-03	.357	7.33E-03	1.42E-04	1.35E-04 SINTDM
204	122.17	-20.22	.03	1.02	2.32E+03	3.22E-03	3.05E-03	7.29E-03	.441	7.29E-03	1.75E-04	1.66E-04 SINTDM
205	122.22	-20.54	-.03	1.02	3.11E+03	4.31E-03	4.09E-03	7.33E-03	.589	7.33E-03	2.35E-04	2.23E-04 SINTDM
206	122.30	-20.54	0.00	1.02	3.48E+03	4.82E-03	4.57E-03	7.29E-03	.662	7.29E-03	2.63E-04	2.49E-04 SINTDM
207	122.53	-20.54	0.00	1.02	4.07E+03	5.64E-03	5.35E-03	7.34E-03	.769	7.34E-03	3.07E-04	2.92E-04 SINTDM
208	122.93	-20.54	0.00	1.02	4.54E+03	6.43E-03	6.10E-03	7.34E-03	.876	7.34E-03	3.51E-04	3.33E-04 SINTDM
209	123.41	-20.54	0.00	1.02	4.55E+03	6.31E-03	5.99E-03	7.35E-03	.859	7.35E-03	3.44E-04	3.26E-04 SINTDM
210	124.76	-20.54	0.00	1.02	4.18E+03	5.80E-03	5.50E-03	7.37E-03	.786	7.37E-03	3.16E-04	3.00E-04 SINTDM
301	31.75	0.00	0.00	2.03	4.74E+03	6.42E-03	6.09E-03	7.33E-03	1.100	5.83E-03	3.54E-04	3.36E-04 SINTUP
302	34.15	0.00	0.00	2.03	4.71E+03	6.52E-03	6.19E-03	7.34E-03	1.132	5.76E-03	3.66E-04	3.41E-04 SINTUP
303	37.47	0.00	0.00	2.03	3.70E+03	5.06E-03	4.75E-03	7.29E-03	.880	5.69E-03	2.76E-04	2.62E-04 SINTUP
304	37.52	0.00	0.00									
305	39.44	0.00	0.00									
306	46.99	0.00	0.00									
307	49.40	0.00	0.00									
308	53.21	0.00	0.00									
309	72.20	0.00	0.00									
310	74.68	0.00	0.00									
311	82.23	0.00	0.00									
312	84.64	0.00	0.00									
313	85.45	0.00	0.00									
314	87.51	0.00	0.00									
315	89.92	0.00	0.00									
316	77.47	0.00	0.00									
317	96.77	0.00	0.00									
318	8.36	0.00	0.00									
319	10.80	0.00	0.00									
221	119.63	0.00	0.00									
222	124.70	0.00	0.00									
22	121.92	0.00	0.00									

RE/M= 1.392E+06

24	122.22	-0.00	.05									
241	122.34	.12	0.00									
242	122.42	-0.00	0.00									
243	122.31	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.70	-0.00	0.00									
246	125.96	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
249	132.31	-0.00	0.00									
250	134.86	-0.00	0.00									
276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74									
279	122.17	20.53	.50									
280	122.17	20.53	.24									
281	122.27	20.53	.05									
282	122.41	20.53	0.00									
283	122.94	20.53	0.00									
284	123.44	20.53	0.00									
285	124.69	20.53	0.00									
286	125.99	20.53	0.00									
287	127.24	20.53	0.00									
288	129.77	20.53	0.00									
289	132.31	20.53	0.00									
290	42.16	20.53	0.00									
201	122.17	-20.54	.75	1.02	6.75E+01	9.33E-05	8.05E-05	7.33E-03	.013	7.33E-03	5.08E-06	4.82E-06 SINTDM
202	122.17	-20.54	.51	1.02	4.69E+02	5.66E-04	5.37E-04	7.33E-03	.077	7.33E-03	3.09E-05	2.93E-05 SINTDM
203	122.17	-20.54	.26	1.02	1.89E+03	2.61E-03	2.48E-03	7.33E-03	.357	7.33E-03	1.42E-04	1.35E-04 SINTDM
204	122.17	-20.22	.03	1.02	2.32E+03	3.22E-03	3.05E-03	7.29E-03	.441	7.29E-03	1.75E-04	1.66E-04 SINTDM
205	122.22	-20.54	-.03	1.02	3.11E+03	4.31E-03	4.09E-03	7.33E-03	.589	7.33E-03	2.35E-04	2.23E-04 SINTDM
206	122.30	-20.54	0.00	1.02	3.48E+03	4.82E-03	4.57E-03	7.29E-03	.662	7.29E-03	2.63E-04	2.49E-04 SINTDM
207	122.53	-20.54	0.00	1.02	4.07E+03	5.64E-03	5.35E-03	7.34E-03	.769	7.34E-03	3.07E-04	2.92E-04 SINTDM
208	122.93	-20.54	0.00	1.02	4.54E+03	6.43E-03	6.10E-03	7.34E-03	.876	7.34E-03	3.51E-04	3.33E-04 SINTDM
209	123.41	-20.54	0.00	1.02	4.55E+03	6.31E-03	5.99E-03	7.35E-03	.859	7.35E-03	3.44E-04	3.26E-04 SINTDM
210	124.76	-20.54	0.00	1.02	4.18E+03	5.80E-03	5.50E-03	7.37E-03	.786	7.37E-03	3.16E-04	3.00E-04 SINTDM
301	31.75	0.00	0.00	2.03	4.74E+03	6.42E-03	6.09E-03	7.33E-03	1.100	5.83E-03	3.54E-04	3.36E-04 SINTUP
302	34.15	0.00	0.00	2.03	4.71E+03	6.52E-03	6.19E-03	7.34E-03	1.132	5.76E-03	3.66E-04	3.41E-04 SINTUP
303	37.47	0.00	0.00	2.03	3.70E+03	5.06E-03	4.75E-03	7.29E-03	.880	5.69E-03	2.76E-04	2.62E-04 SINTUP
304	37.52	0.00	0.00									
305	39.44	0.00	0.00									
306	46.99	0.00	0.00									
307	49.40	0.00	0.00									
308	53.21	0.00	0.00									
309	72.20	0.00	0.00									
310	74.68	0.00	0.00									
311	82.23	0.00	0.00									
312	84.64	0.00	0.00									
313	85.45	0.00	0.00									
314	87.51	0.00	0.00									
315	89.92	0.00	0.00									
316	77.47	0.00	0.00									
317	96.77	0.00	0.00									
318	8.36	0.00	0.00									
319	10.80	0.00	0.00									
221	119.63	0.00	0.00									
222	124.70	0.00	0.00									
22	121.92	0.00	0.00									

224	122.12	-0.00	.05	2.03	2.76E+03	3.737E-03	3.546E-03	.658	5.679E-03	2.0629E-04	1.9573E-04	SINTUP
225	122.17	-0.00	.27	2.03	1.17E+03	1.588E-03	1.499E-03	.278	5.676E-03	8.7201E-05	8.2744E-05	SINTUP
226	122.17	-0.00	.48	2.03	2.40E+02	3.248E-04	3.082E-04	.057	5.676E-03	1.7931E-05	1.7014E-05	SINTUP
227	122.17	-0.00	.75	2.03	5.08E+01	6.867E-05	6.516E-05	.012	5.676E-03	3.7909E-06	3.5974E-06	SINTUP
228	122.17	-0.00	.99	2.03	1.44E+01	1.940E-05	1.841E-05	.003	5.676E-03	1.0709E-06	1.0162E-06	SINTUP
229	122.17	-0.00	1.22	2.03	5.55E-01	7.490E-07	7.108E-07	.000	5.676E-03	4.1348E-08	3.9239E-08	SINTUP
230	122.17	-0.00	1.52									
231	122.05	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99	2.03	6.63E+00	8.958E-06	8.581E-06	.002	5.676E-03	4.9456E-07	4.6931E-07	SINTDN
236	122.17	-0.00	.75	2.03	8.74E+01	1.182E-04	1.122E-04	.021	5.676E-03	6.5255E-06	6.1922E-06	SINTDN

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(76) 1973 PAGE 128

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
237	122.17	-0.00	.48	2.03	4.41E+02	5.970E-04	5.664E-04	.105	5.676E-03	3.2956E-05	3.1271E-05	SINTDN
238	122.17	-0.00	.27	2.03	1.92E+03	2.602E-03	2.469E-03	.458	5.676E-03	1.4366E-04	1.3631E-04	SINTDN
239	122.17	.52	.13	2.03	3.08E+03	4.163E-03	3.950E-03	.735	5.667E-03	2.2983E-04	2.1808E-04	SINTDN
240	122.22	-0.00	.35	2.03	3.40E+03	4.612E-03	4.376E-03	.813	5.672E-03	2.5463E-04	2.4160E-04	SINTDN
241	122.34	.42	0.00	2.03	4.48E+03	6.065E-03	5.755E-03	1.072	5.655E-03	3.3484E-04	3.1772E-04	SINTDN
242	122.42	-0.00	0.00	2.03	4.73E+03	6.412E-03	6.084E-03	1.133	5.659E-03	3.5396E-04	3.3585E-04	SINTDN
243	122.91	-0.00	0.00	2.03	4.88E+03	6.609E-03	6.271E-03	1.175	5.624E-03	3.6487E-04	3.4621E-04	SINTDN
244	123.43	-0.00	0.00	2.03	4.70E+03	6.373E-03	6.047E-03	1.141	5.588E-03	3.5184E-04	3.3383E-04	SINTDN
245	126.70	-0.00	0.00	2.03	4.45E+03	6.034E-03	5.725E-03	1.097	5.498E-03	3.3313E-04	3.1602E-04	SINTDN
246	125.90	-0.00	0.00	2.03	4.18E+03	5.667E-03	5.377E-03	1.048	5.410E-03	3.1285E-04	2.9644E-04	SINTDN
247	127.23	-0.00	0.00	2.03	4.63E+03	6.267E-03	5.946E-03	1.178	5.321E-03	3.4598E-04	3.2827E-04	SINTDN
248	129.77	-0.00	0.00	2.03	4.33E+03	5.870E-03	5.570E-03	1.142	5.142E-03	3.2406E-04	3.0748E-04	SINTDN
249	132.31	-0.00	0.00	2.03	4.29E+03	5.806E-03	5.509E-03	1.170	4.963E-03	3.2058E-04	3.0411E-04	SINTDN
250	134.86	-0.00	0.00	2.03	4.35E+03	5.932E-03	5.629E-03	1.240	4.784E-03	3.2758E-04	3.1075E-04	SINTDN
											RE/M=	1.356E+06
276	122.17	20.53	1.24	4.06	7.17E+03	9.487E-06	9.005E-06	.002	6.028E-03	5.3001E-07	5.0305E-07	SINTDN
277	122.17	20.53	1.00	4.06	4.34E+00	5.750E-06	5.457E-06	.001	6.028E-03	3.2123E-07	3.0488E-07	SINTDN
278	122.17	20.53	.76	4.06	8.49E+01	1.071E-04	1.017E-04	.018	6.028E-03	5.9652E-06	5.6606E-06	SINTDN
279	122.17	20.53	.50	4.06	3.24E+02	4.293E-04	4.074E-04	.071	6.028E-03	2.3984E-05	2.2762E-05	SINTDN
280	122.17	20.53	.24	4.06	2.11E+03	2.801E-03	2.659E-03	.465	6.028E-03	1.5656E-04	1.4852E-04	SINTDN
281	122.22	20.53	.05	4.06	3.33E+03	4.423E-03	4.198E-03	.735	6.019E-03	2.4710E-04	2.3450E-04	SINTDN
282	122.41	20.53	0.00	4.06	4.43E+03	5.881E-03	5.581E-03	.983	5.984E-03	3.2854E-04	3.1178E-04	SINTDN
283	122.46	20.53	0.00	4.06	4.51E+03	5.993E-03	5.687E-03	1.019	5.884E-03	3.3483E-04	3.1772E-04	SINTDN
284	123.44	20.53	0.00	4.06	4.56E+03	6.063E-03	5.753E-03	1.047	5.789E-03	3.3871E-04	3.2140E-04	SINTDN
285	124.69	20.53	0.00	4.06	4.50E+03	5.987E-03	5.681E-03	1.078	5.554E-03	3.3449E-04	3.1738E-04	SINTDN
286	125.99	20.53	0.00	4.06	4.27E+03	5.684E-03	5.393E-03	1.071	5.310E-03	3.1755E-04	3.0131E-04	SINTDN
287	127.24	20.53	0.00	4.06	4.44E+03	5.915E-03	5.612E-03	1.166	5.073E-03	3.3044E-04	3.1353E-04	SINTDN
288	129.77	20.53	0.00	4.06	4.13E+03	5.573E-03	5.287E-03	1.212	4.597E-03	3.1134E-04	2.9539E-04	SINTDN
289	132.31	20.53	0.00	4.06	4.52E+03	6.036E-03	5.727E-03	1.465	4.119E-03	3.3721E-04	3.1992E-04	SINTDN
290	43.16	20.53	0.00	4.06	4.49E+03	5.988E-03	5.681E-03	.530	1.129E-02	3.3453E-04	3.1739E-04	SINTDN

MES 3.5 FT WIND TUNNEL TEST(1508), C. BLUMER MSI TILE GAPS RUN(751 1973 CONF= 3.51

TT = 1.137+E+03(K) GAP = .254 CM

PT = 1.330E+01(N/M2) STEP = 0.000(CM)

MI = 1.20+5E+00(J/KG)

RE/METER= 2.564E+06

MACH = 9.10

OS = 1.10ALE+05(N/M2)

MAN/MI =6.967 FOR MT

MAN/MT =6.974 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE	RE/M= 2.516E+06
201	122.17	-20.54	.75										
202	122.17	-20.54	.51										
203	122.17	-20.54	.28										
204	122.17	-20.22	.09										
205	122.22	-20.54	.05										
206	122.30	-20.22	0.00										
207	122.63	-20.54	0.00										
208	122.93	-20.54	0.00										
209	123.41	-20.54	0.00										
210	124.70	-20.54	0.00										
301	38.79	+0.03	0.00	0.00	8.A6E+03	1.185E-02	1.125E-02	.916	1.293E-02	3.5911E-04	3.4080E-04	MULTPL	
302	34.16	+0.03	0.00	0.00	8.2UE+03	1.096E-02	1.040E-02	.867	1.264E-02	3.3210E-04	3.1516E-04	MULTPL	
303	37.97	+0.03	0.00	0.00	8.2oE+03	1.133E-02	1.067E-02	.906	1.217E-02	3.3429E-04	3.1726E-04	MULTPL	
304	37.82	+0.03	0.00	0.00	7.5JE+03	1.007E-02	9.557E-03	1.020	9.872E-03	3.0515E-04	2.8959E-04	MULTPL	
305	39.44	+0.00	0.00	0.00	7.7AE+03	1.034E-02	9.814E-03	1.079	9.585E-03	3.1330E-04	2.9734E-04	MULTPL	
306	40.99	+0.00	0.00	0.00	5.97E+03	7.976E-03	7.569E-03	.720	1.107E-02	2.4168E-04	2.2937E-04	MULTPL	
307	49.00	-0.03	0.00	0.00	5.75E+03	7.550E-03	7.200E-03	.712	1.078E-02	2.3271E-04	2.2085E-04	MULTPL	
308	53.21	-0.03	0.00	0.00	5.35E+03	7.155E-03	6.772E-03	.691	1.033E-02	2.1620E-04	2.0520E-04	MULTPL	
309	72.20	-0.03	0.00	0.00	5.21E+03	6.964E-03	6.609E-03	.835	8.342E-03	2.1101E-04	2.0026E-04	MULTPL	
310	74.64	-0.03	0.00	0.00	5.4UE+03	7.07EE-03	6.715E-03	.835	8.272E-03	2.1439E-04	2.0357E-04	MULTPL	
311	52.23	-0.03	0.00	0.00	7.33L+03	9.791E-03	9.293E-03	1.056	9.270E-03	2.9671E-04	2.8159E-04	MULTPL	
312	96.99	-0.03	0.00	0.00	7.39E+03	9.880E-03	9.376E-03	1.097	9.003E-03	2.9930E-04	2.8411E-04	MULTPL	
313	58.49	-0.03	0.00	0.00	6.84E+03	9.141E-03	8.676E-03	1.063	8.579E-03	2.7700E-04	2.6289E-04	MULTPL	
314	47.53	-0.03	0.00	0.00	6.32E+03	8.450E-03	8.020E-03	1.010	8.365E-03	2.5607E-04	2.4302E-04	MULTPL	
315	39.92	-0.03	0.00	0.00	6.61E+03	8.830E-03	8.380E-03	1.046	8.444E-03	2.6757E-04	2.5394E-04	MULTPL	
316	77.47	-0.03	0.00	0.00	5.65E+03	7.543E-03	7.158E-03	.921	8.191E-03	2.2856E-04	2.1691E-04	MULTPL	
317	80.77	-0.03	0.00	0.00	5.52E+03	7.373E-03	6.997E-03	.905	8.143E-03	2.2342E-04	2.1204E-04	MULTPL	
318	84.38	-0.03	0.00	0.00	5.47E+03	7.315E-03	6.943E-03	.904	8.157E-03	2.2168E-04	2.1038E-04	MULTPL	
319	10.36	-0.03	0.00	0.00	5.65E+03	7.554E-03	7.169E-03	.908	8.549E-03	2.2892E-04	2.1725E-04	MULTPL	
221	114.53	-0.30	0.00										
222	126.76	-0.30	0.00										
223	121.92	-0.03	0.00										
224	122.12	-0.00	.62										
225	122.17	-0.03	.27										
226	122.17	-0.03	.49										
227	122.17	-0.03	.75										
228	122.17	-0.03	.99										
229	122.17	-0.30	1.22										
230	122.17	-0.30	1.52										
231	122.05	-0.30	2.04										
232	122.17	-0.30	1.77										
233	122.17	-0.03	1.51										
234	122.17	-0.03	1.22										
235	122.17	-0.30	.93										
236	122.17	-0.33	.75										
237	122.17	-0.00	.49										
238	122.17	-0.30	.27										
27	122.17	-.42	.13										

24	122.22	-0.00	.05									
241	122.34	.32	0.00									
242	122.42	-0.00	0.00									
243	122.31	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.70	-0.00	0.00									
246	125.90	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
249	132.31	-0.00	0.00									
250	134.96	-0.00	0.00									

RE/M= 2.439E+06

276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74									
279	122.17	20.53	.50									
280	122.17	20.53	.24									
281	122.22	20.53	.05									
282	122.41	20.53	0.00									
283	122.94	20.53	0.00									
284	123.44	20.53	0.00									
295	124.69	20.53	0.00									
286	125.99	20.53	0.00									
287	127.24	20.53	0.00									
288	129.77	20.53	0.00									
289	132.31	20.53	0.00									
290	43.16	20.53	0.00									

RE/M= 2.565E+06

201	122.17	-20.54	.75	1.02	1.24E+02	1.678E-04	1.593E-04	.014	1.218E-02	5.0428E-06	4.7856E-06	SINTON
202	122.17	-20.54	.51	1.02	5.72E+02	7.750E-04	7.354E-04	.064	1.218E-02	2.3284E-05	2.2095E-05	SINTON
203	122.17	-20.54	.28	1.02	2.44E+03	3.257E-03	3.090E-03	.267	1.218E-02	9.7847E-05	9.2845E-05	SINTON
204	122.17	-20.22	.09	1.02	2.77E+03	3.763E-03	3.570E-03	.307	1.226E-02	1.1305E-04	1.0727E-04	SINTON
205	122.72	-20.54	.05	1.02	3.51E+03	4.767E-03	4.523E-03	.391	1.219E-02	1.4322E-04	1.3589E-04	SINTON
206	122.30	-20.22	0.00	1.02	3.80E+03	5.171E-03	4.906E-03	.420	1.230E-02	1.5535E-04	1.4740E-04	SINTON
207	122.63	-20.54	0.00	1.02	4.55E+03	6.188E-03	5.871E-03	.502	1.233E-02	1.8596E-04	1.7638E-04	SINTON
208	122.93	-20.54	0.00	1.02	5.58E+03	7.597E-03	7.207E-03	.611	1.244E-02	2.2823E-04	2.1654E-04	SINTON
209	123.41	-20.54	0.00	1.02	5.48E+03	7.454E-03	7.072E-03	.591	1.260E-02	2.2395E-04	2.1247E-04	SINTON
210	124.70	-20.54	0.00	1.02	4.97E+03	6.763E-03	6.416E-03	.518	1.305E-02	2.0317E-04	1.9277E-04	SINTON

RE/M= 2.516E+06

301	31.75	-0.00	0.00									
302	34.16	-0.00	0.00									
303	37.37	-0.00	0.00									
304	57.32	-0.00	0.00									
305	59.44	-0.00	0.00									
306	46.39	-0.00	0.00									
307	49.40	-0.00	0.00									
308	53.21	-0.00	0.00									
309	72.26	-0.00	0.00									
310	74.68	-0.00	0.00									
311	62.73	-0.00	0.00									
312	64.66	-0.00	0.00									
313	69.45	-0.00	0.00									
314	67.50	-0.00	0.00									
315	99.32	-0.00	0.00									
316	77.47	-0.00	0.00									
317	84.77	-0.00	0.00									
318	9.38	-0.00	0.00									
319	10.90	-0.00	0.00									
221	119.63	-0.00	0.00	2.03	5.72E+03	7.658E-03	7.267E-03	.531	1.442E-02	2.3205E-04	2.2021E-04	SINTUP
222	120.90	-0.00	0.00	2.03	5.92E+03	7.934E-03	7.528E-03	.528	1.502E-02	2.4041E-04	2.2812E-04	SINTUP
22	121.92	-0.00	0.00	2.03	4.52E+03	6.059E-03	5.749E-03	.390	1.554E-02	1.8359E-04	1.7421E-04	SINTUP

PAGE 138

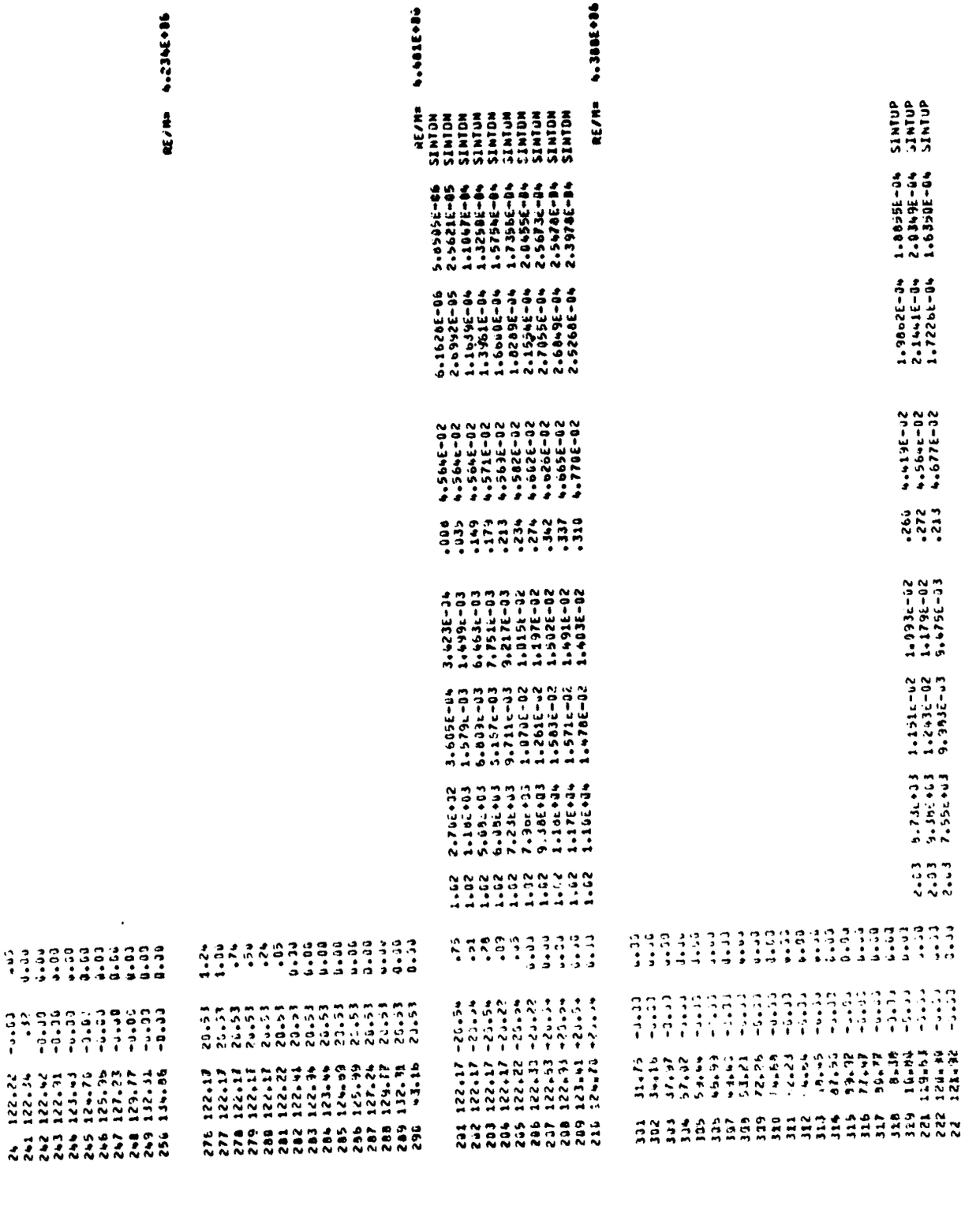
AMES 3.5 FT WIND TUNNEL TEST (1561), G. BLUMER RSI TILE GAPS RUN# 751 1973

I/C	X (CM)	YY (CM)	ZZ (CM)	GAPN (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MPEFF (KG/M2-S)	STL	STT	GAP-TYPE	
25	122.12	-0.00	.05	2.03	3.37E+03	4.506E-03	4.276E-03	.288	1.564E-02	1.365E-04	1.295E-04	SINTUP	
225	122.17	-0.00	.27	2.03	1.55E+03	2.037E-03	1.908E-03	.132	1.567E-02	6.284E-05	5.964E-05	SINTUP	
226	122.17	-0.00	.46	2.03	3.67E+02	4.367E-04	4.657E-04	.031	1.567E-02	1.487E-05	1.411E-05	SINTUP	
227	122.17	-0.00	.75	2.03	9.16E+01	1.222E-04	1.160E-04	.008	1.567E-02	3.704E-06	3.515E-06	SINTUP	
228	122.17	-0.00	.99	2.03	3.97E+01	5.301E-05	5.031E-05	.003	1.567E-02	1.604E-06	1.524E-06	SINTUP	
229	122.17	-0.00	1.22										
230	122.17	-0.00	1.52										
231	122.05	-0.00	2.03										
232	122.17	-0.00	1.97										
233	122.17	-0.00	1.51										
234	122.17	-0.00	1.22										
235	122.17	-0.00	.99										
236	122.17	-0.00	.75	2.03	7.29E+01	9.731E-05	9.235E-05	.006	1.567E-02	2.948E-06	2.798E-06	SINTDN	
237	122.17	-0.00	.48	2.03	5.72E+02	7.643E-04	7.253E-04	.049	1.567E-02	2.315E-05	2.197E-05	SINTDN	
238	122.17	-0.00	.27	2.03	2.51E+03	3.357E-03	3.186E-03	.214	1.567E-02	1.017E-04	9.656E-05	SINTDN	
											RX/M=	2.439E+06	
239	122.17	-0.00	.13	2.03	3.95E+03	5.276E-03	5.007E-03	.338	1.572E-02	1.590E-04	1.517E-04	SINTDN	
240	122.22	-0.00	.05	2.03	4.32E+03	5.792E-03	5.487E-03	.368	1.569E-02	1.766E-04	1.662E-04	SINTDN	
241	122.34	.32	0.00	2.03	5.62E+03	7.511E-03	7.128E-03	.475	1.581E-02	2.276E-04	2.160E-04	SINTDN	
242	122.42	-0.00	0.00	2.03	5.99E+03	8.016E-03	7.606E-03	.506	1.579E-02	2.428E-04	2.304E-04	SINTDN	
243	122.51	-0.00	0.00	2.03	6.18E+03	8.278E-03	7.856E-03	.516	1.604E-02	2.506E-04	2.380E-04	SINTDN	
244	123.03	-0.00	0.00	2.03	5.94E+03	7.954E-03	7.547E-03	.488	1.631E-02	2.410E-04	2.287E-04	SINTDN	
245	124.72	-0.00	0.00	2.03	5.03E+03	7.534E-03	7.149E-03	.444	1.695E-02	2.293E-04	2.176E-04	SINTDN	
246	125.49	-0.00	0.00	2.03	5.35E+03	7.165E-03	6.799E-03	.437	1.759E-02	2.171E-04	2.060E-04	SINTDN	
247	127.23	-0.00	0.00	2.03	6.00E+03	8.106E-03	7.692E-03	.446	1.824E-02	2.456E-04	2.330E-04	SINTDN	
248	129.77	-0.00	0.00	2.03	5.73E+03	7.631E-03	7.242E-03	.391	1.955E-02	2.312E-04	2.194E-04	SINTDN	
249	131.31	-0.00	0.00	2.03	5.74E+03	7.683E-03	7.291E-03	.369	2.082E-02	2.328E-04	2.209E-04	SINTDN	
250	132.15	-0.00	0.00	2.03	6.03E+03	8.145E-03	7.729E-03	.368	2.212E-02	2.468E-04	2.342E-04	SINTDN	
276	122.17	20.53	1.24										
277	122.17	20.53	1.00										
278	122.17	20.53	.74	4.06	7.73E+01	1.010E-04	9.590E-05	.006	1.677E-02	3.104E-06	2.946E-06	SINTDN	
279	122.17	20.53	.50	4.06	3.78E+02	4.923E-04	4.673E-04	.029	1.677E-02	1.512E-05	1.436E-05	SINTDN	
280	122.17	20.53	.24	4.06	2.34E+03	3.052E-03	2.897E-03	.182	1.677E+02	9.379E-05	8.904E-05	SINTDN	
281	122.22	20.53	.05	4.06	3.53E+03	4.567E-03	4.335E-03	.272	1.679E+02	1.403E-04	1.332E-04	SINTDN	
282	122.41	20.53	0.00	4.06	4.39E+03	5.673E-03	6.143E-03	.384	1.606E-02	1.980E-04	1.880E-04	SINTDN	
283	122.94	20.53	0.00	4.06	5.09E+03	7.455E-03	7.077E-03	.436	1.737E+02	2.209E-04	2.117E-04	SINTDN	
284	123.44	20.53	0.00	4.06	5.31E+03	7.219E-03	6.851E-03	.418	1.727E+02	2.218E-04	2.145E-04	SINTDN	
285	124.53	20.53	0.00	4.06	5.07E+03	7.294E-03	6.922E-03	.411	1.775E-02	2.248E-04	2.127E-04	SINTDN	
286	125.33	20.53	0.00	4.06	5.24E+03	6.817E-03	6.469E-03	.373	1.827E+02	2.095E-04	1.988E-04	SINTDN	
287	127.24	20.53	0.00	4.06	5.24E+03	6.925E-03	6.571E-03	.369	1.876E+02	2.128E-04	2.019E-04	SINTDN	
288	129.77	20.53	0.00	4.06	4.94E+03	6.439E-03	6.110E-03	.326	1.975E+02	1.978E-04	1.877E-04	SINTDN	
289	131.31	20.53	0.00	4.06	5.37E+03	7.063E-03	6.702E-03	.341	2.074E+02	2.179E-04	2.059E-04	SINTDN	
290	43.15	20.53	0.00	4.06	5.31E+03	6.980E-03	6.623E-03	.582	1.138E+02	2.145E-04	2.035E-04	SINTDN	

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(76) 1973

TT = 1.1446E+03(K) CONF= 3.51
PT = 1.4711E+06(N/M2) GAP = .254 CM
HT = 3.212?E+06(J/KG) STEP = 8.000(CM)
RE/METER= 4.4814E+06
MACH = 5.10
QS = 1.4913E+05(W/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.876 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
											RE/M=	4.681E+06
201	122.17	-20.54	.75									
202	122.17	-20.54	.51									
203	122.17	-20.54	.28									
204	122.17	-20.22	.03									
205	122.22	-20.54	.05									
206	122.38	-20.22	0.00									
207	122.63	-20.54	0.00									
208	122.93	-20.54	0.00									
209	123.41	-20.54	0.00									
210	124.70	-20.54	0.00									
											RE/M=	4.308E+06
301	31.75	-0.00	0.00	0.00	1.01E+06	1.326E-02	1.258E-02	.833	1.591E-02	2.2874E-04	2.1714E-04	MULTPL
302	34.16	-0.00	0.00	0.00	9.80E+05	1.187E-02	1.127E-02	.762	1.557E-02	2.0484E-04	1.9445E-04	MULTPL
303	37.97	-0.00	0.00	0.00	9.93E+05	1.314E-02	1.248E-02	.874	1.504E-02	2.2686E-04	2.1532E-04	MULTPL
304	57.02	-0.00	0.00	0.00	9.26E+05	1.220E-02	1.158E-02	.998	1.223E-02	2.1059E-04	1.9987E-04	MULTPL
305	59.44	-0.00	0.00	0.00	9.49E+05	1.250E-02	1.187E-02	1.05?	1.185E-02	2.1569E-04	2.0476E-04	MULTPL
306	66.99	-0.00	0.00	0.00	7.59E+05	9.989E-03	9.484E-03	.726	1.377E-02	1.7237E-04	1.6365E-04	MULTPL
307	49.40	-0.00	0.00	0.00	7.36E+05	9.693E-03	9.208E-03	.722	1.343E-02	1.6737E-04	1.5889E-04	MULTPL
308	53.21	-0.00	0.00	0.00	7.45E+05	9.275E-03	8.806E-03	.723	1.283E-02	1.6805E-04	1.5195E-04	MULTPL
309	72.26	-0.00	0.00	0.00	7.17E+05	9.435E-03	8.957E-03	.827	1.101E-02	1.6286E-04	1.5456E-04	MULTPL
310	74.68	-0.00	0.00	0.00	7.19E+05	9.459E-03	8.980E-03	.846	1.118E-02	1.6323E-04	1.5497E-04	MULTPL
311	62.23	-0.00	0.00	0.00	8.93E+05	1.177E-02	1.117E-02	1.018	1.156E-02	2.0309E-04	1.9288E-04	MULTPL
312	64.64	-0.00	0.00	0.00	9.06E+05	1.192E-02	1.132E-02	1.051	1.134E-02	2.0575E-04	1.9531E-04	MULTPL
313	68.45	-0.00	0.00	0.00	8.41E+05	1.107E-02	1.051E-02	1.000	1.100E-02	1.9105E-04	1.8138E-04	MULTPL
314	87.50	-0.00	0.00	0.00	7.75E+05	1.021E-02	9.697E-03	.727	1.405E-02	1.7626E-04	1.6733E-04	MULTPL
315	89.92	-0.00	0.00	0.00	8.35E+05	1.100E-02	1.044E-02	.740	1.486E-02	1.8978E-04	1.8017E-04	MULTPL
316	77.47	-0.00	0.00	0.00	7.24E+05	9.535E-03	9.050E-03	.839	1.136E-02	1.6450E-04	1.5617E-04	MULTPL
317	80.77	-0.00	0.00	0.00	7.49E+05	9.862E-03	9.115E-03	.814	1.179E-02	1.6563E-04	1.5730E-04	MULTPL
318	8.38	-0.00	0.00	0.00	7.43E+05	9.780E-03	9.285E-03	.589	1.921E-02	1.6876E-04	1.6022E-04	MULTPL
319	10.80	-0.00	0.00	0.00	8.99E+05	1.064E-02	1.011E-02	.744	1.887E-02	1.8368E-04	1.7438E-04	MULTPL
221	119.63	-0.00	0.00									
222	120.90	-0.00	0.00									
223	121.92	-0.00	0.00									
224	122.12	-0.00	.05									
225	122.17	-0.00	.27									
226	122.17	-0.00	.48									
227	122.17	-0.00	.75									
228	122.17	-0.00	.99									
229	122.17	-0.00	1.22									
230	122.17	-0.00	1.52									
231	122.15	-0.00	2.04									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75									
237	122.17	-0.00	.49									
238	122.17	-0.00	.27									
22	122.17	.15	.13									



224	122.12	-0.00	.05	2.03	5.89E+03	7.776E-03	7.381E-03	.165	4.699E-02	1.3419E-04	1.2737E-04	SINTUP
225	122.17	-0.00	.27	2.03	3.14E+03	4.145E-03	3.935E-03	.088	4.705E-02	7.1525E-05	6.7897E-05	SINTUP
226	122.17	-0.00	.48	2.03	8.82E+02	1.162E-03	1.103E-03	.025	4.705E-02	2.0045E-05	1.9029E-05	SINTUP
227	122.17	-0.00	.75	2.03	3.29E+02	4.326E-04	4.108E-04	.009	4.705E-02	7.4654E-06	7.0879E-06	SINTUP
228	122.17	-0.00	.99	2.03	1.87E+02	2.456E-04	2.332E-04	.005	4.705E-02	4.2384E-06	4.0244E-06	SINTUP
229	122.17	-0.00	1.22	2.03	8.76E+01	1.148E-04	1.090E-04	.002	4.705E-02	1.9802E-06	1.8803E-06	SINTUP
230	122.17	-0.00	1.52	2.03	3.05E+01	3.995E-05	3.794E-05	.001	4.705E-02	6.8938E-07	6.5467E-07	SINTUP
231	122.05	-0.00	2.83									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99	2.03	1.21E+02	1.584E-04	1.504E-04	.003	4.705E-02	2.7340E-06	2.5959E-06	SINTDN

AMES 3.5 FT WIND TUNNEL TEST(156), C. BLUMER RSI TILE GAPS RUN(76) 1973 PAGE 132

R/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
236	122.17	-0.00	.75	2.03	3.42E+02	4.492E-04	4.265E-04	.010	4.705E-02	7.7518E-06	7.3598E-06	SINTDN
237	122.17	-0.00	.48	2.03	1.23E+03	1.622E-03	1.540E-03	.034	4.705E-02	2.7969E-05	2.6571E-05	SINTDN
238	122.17	-0.00	.27	2.03	5.10E+03	6.799E-03	6.453E-03	.144	4.706E-02	1.1731E-04	1.1136E-04	SINTDN
239	122.17	.00	.13	2.03	7.95E+03	1.047E-02	9.944E-03	.223	4.707E-02	1.8075E-04	1.7159E-04	SINTDN
240	122.22	-0.00	.05	2.03	8.65E+03	1.142E-02	1.084E-02	.242	4.711E-02	1.9700E-04	1.8699E-04	SINTDN
241	122.34	.00	0.00	2.03	1.09E+04	1.440E-02	1.367E-02	.305	4.725E-02	2.4848E-04	2.3588E-04	SINTDN
242	122.42	-0.03	0.00	2.03	1.16E+04	1.532E-02	1.454E-02	.324	4.732E-02	2.6435E-04	2.5093E-04	SINTDN
243	122.91	-0.03	0.00	2.03	1.17E+04	1.547E-02	1.468E-02	.323	4.787E-02	2.6694E-04	2.5340E-04	SINTDN
244	123.43	-0.03	0.00	2.03	1.12E+04	1.484E-02	1.409E-02	.306	4.844E-02	2.5616E-04	2.4315E-04	SINTDN
245	124.76	-0.03	0.00	2.03	1.17E+04	1.538E-02	1.460E-02	.308	4.886E-02	2.6540E-04	2.5193E-04	SINTDN
246	125.96	-0.03	0.00	2.03	1.19E+04	1.573E-02	1.493E-02	.307	5.126E-02	2.7149E-04	2.5771E-04	SINTDN
247	127.23	-0.03	0.00	2.03	1.51E+04	1.995E-02	1.894E-02	.379	5.267E-02	3.4432E-04	3.2686E-04	SINTDN
248	129.77	-0.03	0.00	2.03	1.66E+04	2.180E-02	2.070E-02	.393	5.543E-02	3.7624E-04	3.5718E-04	SINTDN
249	132.31	-0.03	0.00	2.03	1.92E+04	2.534E-02	2.406E-02	.435	5.831E-02	4.3728E-04	4.1512E-04	SINTDN
250	134.86	-0.00	0.00	2.03	2.34E+04	3.079E-02	2.923E-02	.504	6.115E-02	5.3136E-04	5.0446E-04	SINTDN
												RE/M= 4.236E+06
276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.76	0.00	7.14E+01	9.094E-05	8.637E-05	.002	4.680E-02	1.5947E-06	1.5147E-06	SINTDN
279	122.17	20.53	.50	0.00	6.49E+02	8.278E-04	7.862E-04	.018	4.680E-02	1.4517E-05	1.3787E-05	SINTDN
280	122.17	20.53	.24	0.00	5.31E+03	6.780E-03	6.439E-03	.151	4.680E-02	1.1889E-04	1.1291E-04	SINTDN
281	122.22	20.53	.05	0.00	7.72E+03	9.843E-03	9.385E-03	.220	4.683E-02	1.7332E-04	1.6459E-04	SINTDN
282	122.41	20.53	0.00	0.00	1.11E+04	1.419E-02	1.347E-02	.316	4.695E-02	2.4876E-04	2.3621E-04	SINTDN
283	122.94	20.53	0.00	0.00	1.27E+04	1.632E-02	1.550E-02	.360	4.530E-02	2.8624E-04	2.7176E-04	SINTDN
284	123.44	20.53	0.00	0.00	1.23E+04	1.582E-02	1.502E-02	.347	4.564E-02	2.7749E-04	2.6344E-04	SINTDN
285	124.69	20.53	0.00	0.00	1.24E+04	1.668E-02	1.583E-02	.359	4.646E-02	2.9248E-04	2.7765E-04	SINTDN
286	125.93	20.53	0.00	0.00	1.27E+04	1.637E-02	1.554E-02	.346	4.732E-02	2.8708E-04	2.7251E-04	SINTDN
287	127.24	20.53	0.00	0.00	1.44E+04	1.835E-02	1.742E-02	.381	4.816E-02	3.2179E-04	3.0544E-04	SINTDN
288	129.77	20.53	0.00	0.00	1.41E+04	1.829E-02	1.735E-02	.367	4.983E-02	3.2067E-04	3.0434E-04	SINTDN
289	132.31	20.53	0.00	0.00	1.84E+04	2.336E-02	2.217E-02	.453	5.151E-02	4.0961E-04	3.8871E-04	SINTDN
290	43.16	20.53	0.00	0.00	2.05E+04	2.659E-02	2.524E-02	1.736	1.532E-02	4.6633E-04	4.4258E-04	SINTDN

AMES 3.5 FT WIND TUNNEL TEST(158). C. BLUMER RSI TILE GAPS RUN(77) 1973 PAGE 133

TT = 1.1309E+03(K) CONF= 3.30
PT = 4.5716E+05(N/M2) GAP = .256 CM
HT = 1.1970E+06(J/KG) STEP # 0.000(CM)
RE/METER= 1.4212E+06
MACH = 5.10
QS = 8.1582E+04(W/M2)
MAN/HT =0.987 FOR HT
MAN/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
											RE/M=	1.421E+06
201	122.17	-20.54	.75									
202	122.17	-20.54	.51									
203	122.17	-20.54	.28									
204	122.17	-20.32	.09									
205	122.22	-20.54	.05									
206	122.30	-20.22	0.00									
207	122.61	-20.54	0.00									
208	122.93	-20.54	0.00									
209	123.41	-20.54	0.00									
210	124.70	-20.54	0.00									
											RE/M=	1.488E+06
301	31.75	-0.00	0.00	0.00	7.446E+03	1.002E-02	9.510E-03	.883	1.135E-02	5.4988E-04	5.2187E-04	MULTPL
302	34.16	-0.00	0.00	0.00	7.044E+03	9.510E-03	9.026E-03	.854	1.109E-02	5.2187E-04	4.9529E-04	MULTPL
303	37.47	-0.00	0.00	0.00	6.491E+03	9.028E-03	8.454E-03	.874	1.067E-02	5.1188E-04	4.8583E-04	MULTPL
304	37.02	-0.00	0.00	0.00	6.301E+03	8.488E-03	8.054E-03	.965	8.798E-03	4.6568E-04	4.4196E-04	MULTPL
305	39.44	-0.00	0.00	0.00	6.338E+03	8.011E-03	8.173E-03	1.000	8.010E-03	4.7251E-04	4.4846E-04	MULTPL
306	46.99	-0.00	0.00	0.00	5.461E+03	7.204E-03	6.914E-03	.753	9.577E-03	3.9972E-04	3.7938E-04	MULTPL
307	49.43	-0.00	0.00	0.00	5.402E+03	6.798E-03	6.452E-03	.722	9.411E-03	3.7305E-04	3.5406E-04	MULTPL
308	53.21	-0.00	0.00	0.00	4.87E+03	6.555E-03	6.221E-03	.721	9.095E-03	3.5969E-04	3.4139E-04	MULTPL
309	72.26	-0.00	0.00	0.00	4.98E+03	6.573E-03	6.238E-03	.896	7.321E-03	3.6008E-04	3.4232E-04	MULTPL
310	74.64	-0.00	0.00	0.00	4.93E+03	6.643E-03	6.305E-03	.913	7.273E-03	3.6455E-04	3.4599E-04	MULTPL
311	62.23	-0.00	0.00	0.00	6.11E+03	8.230E-03	7.811E-03	.992	8.298E-03	4.5159E-04	4.2861E-04	MULTPL
312	64.64	-0.00	0.00	0.00	6.09E+03	8.210E-03	7.792E-03	1.025	8.009E-03	4.5050E-04	4.2759E-04	MULTPL
313	54.45	-0.00	0.00	0.00	5.69E+03	7.657E-03	7.267E-03	1.014	7.552E-03	4.2015E-04	3.9876E-04	MULTPL
314	57.55	-0.00	0.00	0.00	5.27E+03	7.099E-03	6.737E-03	1.025	6.926E-03	3.8954E-04	3.6971E-04	MULTPL
315	89.92	-0.00	0.00	0.00	5.49E+03	7.393E-03	7.017E-03	1.080	6.848E-03	4.0569E-04	3.8503E-04	MULTPL
316	77.47	-0.00	0.00	0.00	5.21E+03	7.015E-03	6.657E-03	.972	7.217E-03	3.8493E-04	3.6532E-04	MULTPL
317	80.77	-0.00	0.00	0.00	4.93E+03	6.640E-03	6.309E-03	.931	7.141E-03	3.6480E-04	3.4621E-04	MULTPL
318	8.38	-0.00	0.00	0.00	4.72E+03	6.359E-03	6.035E-03	.457	1.392E-02	3.4894E-04	3.3116E-04	MULTPL
319	10.48	-0.00	0.00	0.00	4.67E+03	6.299E-03	5.978E-03	.461	1.366E-02	3.4565E-04	3.2803E-04	MULTPL
221	119.63	-0.00	0.00									
222	120.95	-0.00	0.00									
223	121.92	-0.00	0.00									
224	122.12	-0.00	.05									
225	122.17	-0.00	.27									
226	122.17	-0.00	.49									
227	122.17	-0.00	.75									
228	122.17	-0.00	.99									
229	122.17	-0.00	1.22									
230	122.17	-0.00	1.52									
231	122.05	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75									
237	122.17	-0.00	.49									
238	122.17	-0.00	.27									
22	122.17	.32	.13									

RE/M= 1.356E+06

RE/M= 1.421E+06

RE/M= 1.488E+06

24	122.22	+0.00	.35											
241	122.34	.32	0.00											
242	122.62	-0.05	0.00											
243	122.91	+0.00	0.00											
244	123.93	+0.00	0.00											
245	124.75	+0.00	0.00											
246	125.96	+0.00	0.00											
247	127.23	+0.00	0.00											
248	129.77	+0.00	0.00											
249	132.31	+0.00	0.00											
250	134.86	+0.00	0.00											
276	122.17	20.53	1.24											
277	122.17	20.53	1.00											
278	122.17	20.53	.76											
279	122.17	20.53	.50											
280	122.17	20.53	.24											
281	122.22	20.51	.05											
282	122.41	20.53	0.00											
283	122.94	20.53	0.00											
284	123.46	20.53	0.00											
285	124.69	20.53	0.00											
286	125.99	20.53	0.00											
287	127.24	20.53	0.00											
288	129.77	20.51	0.00											
289	132.31	20.53	0.00											
290	134.86	20.53	0.00											
291	122.17	-20.54	.31	1.02	7.06E+01	9.802E-05	9.112E-05	.013	7.324E-03	5.2336E-06	4.9665E-06	SINTON		
292	122.17	-20.54	.21	1.02	4.17E+02	5.094E-04	5.403E-04	.078	7.329E-03	3.1035E-05	2.9450E-05	SINTON		
293	122.17	-20.54	.28	1.02	1.03E+03	2.496E-03	2.388E-03	.341	7.329E-03	1.3684E-04	1.2988E-04	SINTON		
294	122.17	-20.22	.09	1.02	2.23E+03	3.864E-03	2.888E-03	.416	7.269E-03	1.6590E-04	1.5742E-04	SINTON		
295	122.22	-20.54	.05	1.02	2.09E+03	3.958E-03	3.748E-03	.539	7.330E-03	2.1531E-04	2.0438E-04	SINTON		
296	122.90	-20.22	0.00	1.02	3.24E+03	4.427E-03	4.208E-03	.607	7.291E-03	2.4136E-04	2.2895E-04	SINTON		
297	126.63	-20.54	0.00	1.02	3.83E+03	5.261E-03	4.973E-03	.714	7.337E-03	2.8569E-04	2.7108E-04	SINTON		
298	122.93	-20.54	0.00	1.02	4.45E+03	6.882E-03	5.771E-03	.828	7.342E-03	3.3151E-04	3.1454E-04	SINTON		
299	123.41	-20.54	0.00	1.02	4.36E+03	5.988E-03	5.663E-03	.812	7.358E-03	3.2532E-04	3.0866E-04	SINTON		
230	124.70	-20.54	0.00	1.02	4.02E+03	5.697E-03	5.216E-03	.746	7.371E-03	2.9963E-04	2.8438E-04	SINTON		
381	31.75	-0.00	0.00											
382	34.16	-0.00	0.00											
383	37.97	-0.00	0.00											
384	57.62	-0.00	0.00											
385	59.44	+0.00	0.00											
386	46.99	-0.00	0.00											
387	49.40	-0.00	0.00											
388	53.21	-0.00	0.00											
389	72.25	-0.00	0.00											
310	74.08	-0.00	0.00											
311	82.23	-0.00	0.00											
312	84.56	-0.00	0.00											
313	88.45	-0.00	0.00											
314	87.58	+0.00	0.00											
315	89.92	-0.00	0.00											
316	77.47	+0.00	0.00											
317	80.72	-0.00	0.00											
318	8.38	+0.00	0.00											
319	14.80	+0.00	0.00											
221	119.63	-0.00	0.00	2.03	4.67E+03	6.301E-03	5.979E-03	1.075	5.861E-03	3.4574E-04	3.2811E-04	SINTUP		
222	120.90	-0.00	0.00	2.03	4.71E+03	6.361E-03	6.037E-03	1.09)	5.790E-03	3.4998E-04	3.3122E-04	SINTUP		
22	121.92	-0.00	0.00	2.03	3.66E+03	4.945E-03	4.693E-03	.864	5.721E-03	2.7134E-04	2.5750E-04	SINTUP		

AMES 3.5 FT WIND TUNNEL TEST(1581). G. BLUMER RSI TILE GAPS RUN1 77) 1973

T/C	X (IN)	YY (IN)	ZZ (CM)	dAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MHEFF (KG/M2-S)	STL	STT	GAP-TYPE	
25	122.12	-0.00	.05	2.03	2.69E+03	3.637E-03	3.451E-03	.637	5.707E-03	1.9955E-04	1.8938E-04		SINTUP
225	122.17	-0.00	.27	2.03	1.13E+03	1.530E-03	1.452E-03	.268	5.704E-03	8.3965E-05	7.9685E-05		SINTUP
226	122.17	-0.00	.48	2.03	2.94E+02	3.279E-04	3.112E-04	.057	5.704E-03	1.7393E-05	1.7076E-05		SINTUP
227	122.17	-0.00	.75	2.03	6.36E+01	8.492E-05	8.060E-05	.015	5.704E-03	4.3666E-06	4.4227E-06		SINTUP
228	122.17	-0.00	.99	2.03	2.21E+01	2.900E-05	2.828E-05	.005	5.704E-03	1.6350E-06	1.5516E-05		SINTUP
229	122.17	-0.00	1.22										
230	122.17	-0.00	1.52										
231	122.05	-0.00	2.03										
232	122.17	-0.00	1.77										
233	122.17	-0.00	1.51										
234	122.17	-0.00	1.22										
235	122.17	-0.00	.99	2.03	4.42E+00	5.956E-06	5.651E-06	.001	5.706E-03	3.2675E-07	3.1011E-07	SINTON	
236	122.17	-0.00	.75	2.03	7.73E+01	1.042E-04	9.892E-05	.018	5.706E-03	5.7193E-06	5.4279E-06	SINTON	
236	122.17	-0.00	.48	2.03	4.41E+02	5.944E-04	5.641E-04	.104	5.706E-03	3.2615E-05	3.0953E-05	SINTON	
237	122.17	-0.00											
276	122.17	20.53	1.22	4.06	1.44E+01	1.883E-05	1.788E-05	.003	6.033E-03	1.0486E-06	9.9518E-07	SINTON	
277	122.17	21.53	1.02	4.06	1.03E+01	1.354E-05	1.285E-05	.002	6.033E-03	7.5337E-07	7.1533E-07	SINTON	
278	122.17	20.53	.74	4.06	6.19E+01	1.099E-04	1.043E-04	.018	6.033E-03	6.1150E-06	5.8081E-06	SINTON	
279	122.17	20.53	.54	4.06	3.11E+02	4.093E-04	3.876E-04	.069	6.033E-03	2.2724E-05	2.1575E-05	SINTON	
280	122.17	20.53	.34	4.06	1.76E+03	2.302E-03	2.186E-04	.382	6.033E-03	1.2813E-04	1.2167E-04	SINTON	
281	122.17	20.53	.15	4.06	3.24E+03	4.230E-03	3.987E-03	.698	6.020E-03	2.3376E-04	2.2142E-04	SINTON	
282	122.22	21.53	.05	4.06	3.31E+03	5.052E-03	5.356E-03	.944	5.986E-03	3.1461E-04	2.9867E-04	SINTON	
283	122.41	21.53	0.00	4.06	3.50E+03	6.013E-03	5.706E-03	1.002	5.985E-03	3.3476E-04	3.1773E-04	SINTON	
284	122.94	20.53	0.00	4.06	3.49E+03	6.040E-03	5.544E-03	1.000	5.957E-03	3.2506E-04	3.0857E-04	SINTON	
285	123.44	20.53	0.00	4.06	3.49E+03	5.889E-03	5.590E-03	1.000	5.557E-03	3.2778E-04	3.1114E-04	SINTON	
286	124.09	20.53	0.00	4.06	3.49E+03	5.523E-03	5.243E-03	1.000	5.312E-03	3.0741E-04	2.9180E-04	SINTON	
287	124.99	20.53	0.00	4.06	3.49E+03	5.574E-03	5.291E-03	1.000	5.076E-03	3.1026E-04	2.9450E-04	SINTON	
288	127.24	20.53	0.00	4.06	3.49E+03	5.371E-03	5.098E-03	1.165	4.603E-03	2.9897E-04	2.8377E-04	SINTON	
289	129.77	20.53	0.00	4.06	3.49E+03	5.872E-03	5.573E-03	1.424	4.123E-03	3.2666E-04	3.1422E-04	SINTON	
290	132.31	20.53	0.00	4.06	3.49E+03	5.823E-03	5.527E-03	.516	1.129E-02	3.2411E-04	3.0764E-04	SINTON	

1.356E+06

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(78) 1973 PAGE 135

TT = 1.127JE+03(K) CONF= 3.30
PT = 8.2427E+05(N/M2) GAP = .254 CM
HT = 1.192AE+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.5827E+06
MACH = 5.16
QS = 1.090/E+05(N/M2)
MAW/HT =0.3E7 FOR HT
MAW/HT =0.374 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
											RE/M=	2.583E+06
281	122.17	-20.54	.75									
282	122.17	-20.54	.51									
283	122.17	-20.54	.28									
284	122.17	-20.22	.09									
285	122.22	-20.54	.05									
286	122.38	-20.22	0.00									
287	122.63	-20.54	0.00									
288	122.93	-20.54	0.00									
289	123.61	-20.54	0.00									
218	124.70	-20.54	0.00									
											RE/M=	2.558E+06
381	31.75	-3.30	0.00	0.00	8.83E+03	1.202E-02	1.141E-02	.924	1.301E-02	3.0375E-04	3.4513E-04	MULTPL
382	34.16	-0.00	0.00	0.00	8.3bE+03	1.138E-02	1.080E-02	.895	1.271E-02	3.4444E-04	3.2681E-04	MULTPL
383	37.97	-0.00	0.00	0.00	8.25E+03	1.122E-02	1.064E-02	.916	1.224E-02	3.3941E-04	3.2286E-04	MULTPL
384	57.62	-0.00	0.00	0.00	7.52E+03	1.024E-02	9.7x2E-03	1.032	9.919E-03	3.0972E-04	2.9386E-04	MULTPL
385	59.44	-0.00	0.00	0.00	7.70E+03	1.049E-02	9.919E-03	1.088	9.63JE-0	3.1697E-04	3.0575E-04	MULTPL
3[illegible]	60.39	-0.00	0.00	0.00	5.9bE+03	7.966E-03	7.559E-03	.716	1.113E-02	2.4104E-04	2.2871E-04	MULTPL
387	49.40	-0.00	0.00	0.00	5.64E+03	7.672E-03	7.286E-03	.708	1.083E-02	2.3215E-04	2.2028E-04	MULTPL
388	53.21	-0.00	0.00	0.00	5.23E+03	7.106E-03	6.743E-03	.685	1.038E-02	2.1502E-04	2.0403E-04	MULTPL
389	72.24	-0.00	0.00	0.00	5.21E+03	7.089E-03	6.726E-03	.845	8.393E-03	2.1456E-04	2.0353E-04	MULTPL
310	74.69	-0.00	0.00	0.00	5.38E+03	7.327E-03	6.953E-03	.881	8.321E-03	2.2172E-04	2.1038E-04	MULTPL
311	62.23	-0.00	0.00	0.00	7.28E+03	9.897E-03	9.391E-03	1.062	9.317E-03	2.9946E-04	2.8415E-04	MULTPL
312	64.[illegible]	-0.00	0.00	0.00	7.41E+03	1.009E-02	9.576E-03	1.115	9.051E-03	3.0539E-04	2.8976E-04	MULTPL
313	68.45	-0.00	0.00	0.00	6.83E+03	9.290E-03	8.815E-03	1.070	8.681E-03	2.8111E-04	2.6673E-04	MULTPL
314	87.50	-0.00	0.00	0.00	6.25E+03	8.504E-03	8.069E-03	1.008	8.435E-03	2.5732E-04	2.4416E-04	MULTPL
315	89.92	-0.00	0.00	0.00	6.52E+03	8.876E-03	8.421E-03	1.041	8.522E-03	2.6857E-04	2.5482E-04	MULTPL
316	77.47	-0.00	0.00	0.00	5.97E+03	8.117E-03	7.702E-03	.585	8.238E-03	2.4561E-04	2.3304E-04	MULTPL
317	80.77	-0.00	0.00	0.00	5.75E+03	7.824E-03	7.423E-03	.955	8.190E-03	2.3674E-04	2.2462E-04	MULTPL
318	8.38	-0.00	0.00	0.00	5.55E+03	7.558E-03	7.171E-03	.476	1.589E-02	2.2876E-04	2.1708E-04	MULTPL
319	16.80	-0.00	0.00	0.00	5.61E+03	7.637E-03	7.246E-03	.490	1.559E-02	2.3109E-04	2.1926E-04	MULTPL
221	119.63	-0.00	0.00									
222	120.98	-0.00	0.00									
223	121.32	-0.00	0.00									
224	122.12	-0.00	.05									
225	122.17	-0.00	.27									
226	122.17	-0.00	.48									
227	122.17	-0.00	.75									
228	122.17	-0.00	.99									
229	122.17	-0.00	1.22									
230	122.17	-0.00	1.52									
231	122.05	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75									
237	122.17	-0.00	.46									
238	122.17	-0.00	.27									
23[illegible]	122.17	.42	.13									

RE/M= 2.678E+06

24	122.22	-0.03	.05										
241	122.34	.33	0.00										
242	122.42	-0.03	0.00										
243	122.91	-0.03	0.00										
244	123.43	-0.00	0.00										
245	124.70	-0.00	0.00										
246	125.96	-0.03	0.00										
247	127.23	-0.00	0.00										
248	129.77	-0.00	0.00										
249	132.31	-0.00	0.00										
250	134.86	-0.00	0.00										
276	122.17	20.53	1.24										
277	122.17	20.53	1.00										
278	122.17	20.53	.74										
279	122.17	20.53	.50										
280	122.17	20.53	.24										
281	122.22	20.53	.05										
282	122.41	20.53	0.00										
283	122.94	20.53	0.00										
284	123.44	20.53	0.00										
285	124.69	20.53	0.00										
286	125.96	20.53	0.00										
287	127.24	20.53	0.00										
288	128.77	20.53	0.00										
289	132.31	20.53	0.00										
290	64.16	20.53	0.00										
201	122.17	-20.54	.75	1.02	9.98E+01	1.369E-04	1.299E-04	.011	1.250E-02	-1.1107E-06	3.960E+06	SINIDN	
202	122.17	-20.54	.51	1.02	5.02E+02	7.723E-04	7.327E-04	.062	1.250E-02	-7.3234E-05	2.228+3E+05	SINIDN	
203	122.17	-20.54	.26	1.02	2.37E+03	3.259E-03	3.092E-03	.261	1.250E-02	-9.8039E-05	9.3038E+05	SINIDN	
204	122.17	-20.54	.04	1.02	2.75E+03	3.788E-03	3.594E-03	.301	1.259E-02	-1.1347E-04	1.0812E+06	SINIDN	
205	122.22	-20.54	.05	1.02	3.53E+03	4.857E-03	4.607E-03	.389	1.252E-02	-1.4611E-04	1.3883E+06	SINIDN	
206	122.33	-20.22	0.00	1.02	3.83E+03	5.274E-03	5.003E-03	.417	1.263E-02	-1.5066E-04	1.5051E+06	SINIDN	
207	122.63	-20.54	0.00	1.02	4.55E+03	6.277E-03	5.954E-03	.495	1.267E-02	-1.8883E-04	1.7913E+06	SINIDN	
208	122.93	-20.54	0.00	1.02	5.63E+03	7.771E-03	7.372E-03	.609	1.278E-02	-2.338UE-04	2.2177E+06	SINIDN	
209	123.41	-20.54	0.00	1.02	5.51E+03	7.604E-03	7.213E-03	.587	1.295E-02	-2.2876E-04	2.1699E+06	SINIDN	
210	124.76	-20.54	0.00	1.02	5.01E+03	6.904E-03	6.549E-03	.515	1.342E-02	-2.0772E-04	1.9786E+06	SINIDN	
301	51.75	-0.00	0.00										
302	34.16	-0.00	0.00										
303	37.97	-0.00	0.00										
304	57.32	-0.00	0.00										
305	59.44	-0.00	0.00										
306	46.99	-0.00	0.00										
307	44.40	-0.00	0.00										
308	53.21	-0.00	0.00										
309	72.20	-0.00	0.00										
310	76.88	-0.00	0.00										
311	62.23	-0.00	0.00										
312	64.94	-0.00	0.00										
313	69.45	-0.00	0.00										
314	67.50	-0.00	0.00										
315	99.16	-0.00	0.00										
316	77.47	-0.00	0.00										
317	90.77	-0.00	0.00										
318	9.36	-0.00	0.00										
319	10.45	-0.00	0.00										
221	111.43	-0.00	0.00	2.03	5.27E+03	7.545E-03	7.196E-03	.503	1.508E-02	2.293UE-04	2.177UE+06	SINTUP	
222	124.46	-0.00	0.00	2.03	5.[illegible]E+03	7.841E-03	7.2+0E-03	.489	1.572E-02	2.3121F-04	2.1933E+06	SINTUP	
22	131.92	-0.00	0.00	2.03	4.33E+03	5.911E-03	5.607E-03	.363	1.627E-02	1.7885E-04	1.6962E+06	SINTUP	

RE/M= 2.503E+06

RE/M= 2.550E+06

224	122.12	-0.00	.05			3	4.367E-03	4.143E-03	.267	1.638E-02	1.3213E-04	1.2535E-04	SINTUP
225	122.17	-0.00	.27			3	1.872E-03	1.776E-03	.114	1.640E-02	5.6630E-05	5.3728E-05	SINTUP
226	122.17	-0.00	.48			92	4.312E-04	4.092E-04	.026	1.640E-02	1.3049E-05	1.2381E-05	SINTUP
227	122.17	-0.00	.75			1	9.234E-05	8.762E-05	.006	1.640E-02	2.7941E-06	2.6512E-06	SINTUP
228	122.17	-0.00	.99										
229	122.17	-0.00	1.22										
230	122.17	-0.00	1.52										
231	122.05	-0.00	2.03										
232	122.17	-0.00	1.77										
233	122.17	-0.00	1.51										
234	122.17	-0.00	1.22										
235	122.17	-0.00	.99										
236	122.17	-0.00	.75	2.03	5.63E+01	7.657E-05	7.266E-05	.005	1.640E-02	2.3171E-06	2.1986E-06	SINTON
237	122.17	-0.00	.48	2.03	5.25E+02	7.154E-04	6.788E-04	.044	1.640E-02	2.1647E-05	2.0539E-05	SINTON
238	122.17	-0.00	.27	2.03	2.32E+03	3.156E-03	2.994E-03	.192	1.640E-02	9.5501E-05	9.0608E-05	SINTON
239	122.17	.32	.13	2.03	3.61E+03	4.914E-03	4.662E-03	.299	1.646E-02	1.4869E-04	1.4103E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(158), G. BLUMER RSI TILE GAPS RUN(78) 1973 PAGE 136

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
240	122.22	-0.00	.05	2.03	3.98E+03	5.432E-03	5.153E-03	.331	1.643E-02	1.6435E-04	1.5593E-04	SINTON
241	122.34	.32	0.00	2.03	5.25E+03	7.154E-03	6.787E-03	.432	1.655E-02	2.1646E-04	2.0537E-04	SINTON
242	122.42	-0.00	0.00	2.03	5.63E+03	7.681E-03	7.287E-03	.465	1.654E-02	2.3243E-04	2.2051E-04	SINTON
243	122.91	-0.00	0.00	2.03	5.85E+03	7.982E-03	7.573E-03	.475	1.680E-02	2.4152E-04	2.2914E-04	SINTON
244	123.43	-0.00	0.00	2.03	5.64E+03	7.700E-03	7.305E-03	.451	1.708E-02	2.3299E-04	2.2103E-04	SINTON
245	124.70	-0.00	0.00	2.03	5.42E+03	7.385E-03	7.006E-03	.416	1.777E-02	2.2346E-04	2.1200E-04	SINTON
246	125.96	-0.00	0.00	2.03	5.09E+03	6.933E-03	6.578E-03	.376	1.845E-02	2.0979E-04	1.9904E-04	SINTON
247	127.23	-0.00	0.00	2.03	5.76E+03	7.844E-03	7.442E-03	.410	1.913E-02	2.3736E-04	2.2519E-04	SINTON
248	129.77	-0.00	0.00	2.03	5.40E+03	7.353E-03	6.977E-03	.359	2.051E-02	2.2256E-04	2.1111E-04	SINTON
249	132.31	-0.00	0.00	2.03	5.43E+03	7.401E-03	7.022E-03	.338	2.188E-02	2.2394E-04	2.1247E-04	SINTON
250	134.86	-0.00	0.00	2.03	5.67E+03	7.718E-03	7.323E-03	.332	2.326E-02	2.3353E-04	2.2157E-04	SINTON

RE/M= 2.4764E+06

276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74	4.06	5.44E+01	7.208E-05	6.841E-05	.004	1.765E-02	2.2097E-06	2.0974E-06	SINTON
279	122.17	20.53	.50	4.06	3.40E+02	4.594E-04	4.360E-04	.026	1.765E-02	1.4084E-05	1.3367E-05	SINTON
280	122.17	20.53	.24	4.06	2.03E+03	2.688E-03	2.552E-03	.152	1.765E-02	8.2413E-05	7.8235E-05	SINTON
281	122.22	20.53	.05	4.06	3.47E+03	4.609E-03	4.374E-03	.261	1.767E-02	1.4129E-04	1.3409E-04	SINTON
282	122.41	20.53	0.00	4.06	4.89E+03	6.516E-03	6.184E-03	.367	1.774E-02	1.9978E-04	1.8956E-04	SINTON
283	122.94	20.53	0.00	4.06	5.57E+03	7.420E-03	7.040E-03	.413	1.796E-02	2.2747E-04	2.1584E-04	SINTON
284	123.44	20.53	0.00	4.06	5.32E+03	7.105E-03	6.741E-03	.391	1.816E-02	2.1781E-04	2.0667E-04	SINTON
285	124.69	20.53	0.00	4.06	5.35E+03	7.150E-03	6.784E-03	.383	1.867E-02	2.1921E-04	2.0799E-04	SINTON
286	125.93	20.53	0.00	4.06	4.99E+03	6.668E-03	6.327E-03	.347	1.920E-02	2.0443E-04	1.9396E-04	SINTON
287	127.24	20.53	0.00	4.06	4.98E+03	6.658E-03	6.317E-03	.338	1.971E-02	2.0413E-04	1.9367E-04	SINTON
288	129.77	20.53	0.00	4.06	4.67E+03	6.253E-03	5.932E-03	.301	2.076E-02	1.9171E-04	1.8187E-04	SINTON
289	132.31	20.53	0.00	4.06	5.12E+03	6.869E-03	6.516E-03	.315	2.177E-02	2.1059E-04	1.9976E-04	SINTON
290	43.16	20.53	0.00	4.06	4.94E+03	6.621E-03	6.281E-03	.549	1.207E-02	2.0297E-04	1.9255E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(156), C. BLUMER RSI TILE GAPS RUN(79; 1973 PAGE 137

TT = 1.1124E+03(K) CONF= 3.30
PT = 1.4633E+06(N/M2) GAP = .254 CM
HT = 1.1750E+06(J/KG) STEP = 0.000(CM)
RE/METER= 4.675/E+06
MACH = 5.18
QS = 1.4236E+05(N/M2)
HAW/HT =0.907 FOR HT
HAW/HT =0.874 FOR HL

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE	
													RE/M= 4.676E+06
201	122.17	-20.54	.75										
202	122.17	-20.54	.51										
203	122.17	-20.54	.28										
204	122.17	-20.27	.09										
205	122.22	-20.24	.05										
206	122.36	-20.22	0.00										
207	122.63	-20.54	0.00										
208	122.93	-20.54	0.00										
209	123.41	-20.24	0.00										
210	124.70	-20.54	0.00										
													RE/M= 4.511E+06
301	31.75	-0.00	0.00	0.00	9.95E+03	1.358E-02	1.288E-02	.846	1.605E-02	2.3210E-04	2.2017E-04	MULTPL	
302	34.19	-0.00	0.00	0.00	9.83E+03	1.274E-02	1.209E-02	.811	1.572E-02	2.1782E-04	2.0662E-04	MULTPL	
303	37.97	-0.00	0.00	0.00	9.89E+03	1.346E-02	1.277E-02	.887	1.518E-02	2.3011E-04	2.1832E-04	MULTPL	
304	57.52	-0.00	0.00	0.00	9.81E+03	1.243E-02	1.180E-02	1.005	1.238E-02	2.1853E-04	2.0161E-04	MULTPL	
305	59.44	-0.00	0.00	0.00	9.38E+03	1.280E-02	1.214E-02	1.067	1.199E-02	2.1872E-04	2.0749E-04	MULTPL	
306	46.99	-0.00	0.00	0.00	7.44E+03	1.021E-02	9.682E-03	.733	1.392E-02	1.7443E-04	1.6548E-04	MULTPL	
307	49.40	-0.00	0.00	0.00	7.30E+03	9.958E-03	9.447E-03	.733	1.358E-02	1.7019E-04	1.6146E-04	MULTPL	
308	53.21	-0.00	0.00	0.00	7.60E+03	9.615E-03	9.122E-03	.743	1.298E-02	1.6433E-04	1.5590E-04	MULTPL	
309	72.26	-0.00	0.00	0.00	7.09E+03	9.068E-03	9.172E-03	.865	1.118E-02	1.6524E-04	1.5677E-04	MULTPL	
310	74.68	-0.00	0.00	0.00	7.09E+03	9.665E-03	9.169E-03	.859	1.137E-02	1.6519E-04	1.5672E-04	MULTPL	
311	62.23	-0.00	0.00	0.00	8.87E+03	1.209E-02	1.147E-02	1.034	1.170E-02	2.0671E-04	1.9611E-04	MULTPL	
312	64.66	-0.00	0.00	0.00	9.05E+03	1.235E-02	1.172E-02	1.070	1.148E-02	2.1110E-04	2.002bE-04	MULTPL	
313	66.45	-0.00	0.00	0.00	8.38E+03	1.143E-02	1.084E-02	1.020	1.114E-02	1.9532E-04	1.8530E-04	MULTPL	
314	87.56	-0.00	0.00	0.00	7.74E+03	1.056E-02	1.001E-02	.728	1.450E-02	1.8041E-04	1.7115E-04	MULTPL	
315	89.92	-0.00	0.00	0.00	8.33E+03	1.136E-02	1.078E-02	.739	1.537E-02	1.9414E-04	1.8417E-04	MULTPL	
316	77.47	-0.00	0.00	0.00	7.11E+03	9.696E-03	9.198E-03	.836	1.160E-02	1.6572E-04	1.5721E-04	MULTPL	
317	80.77	-0.00	0.00	0.00	7.24E+03	9.864E-03	9.377E-03	.819	1.208E-02	1.6894E-04	1.6026E-04	MULTPL	
318	8.36	-0.00	0.00	0.00	7.45E+03	1.017E-02	9.645E-03	.526	1.933E-02	1.7377E-04	1.6485E-04	MULTPL	
319	10.91	-0.00	0.00	0.00	8.43E+03	1.149E-02	1.090E-02	.605	1.899E-02	1.9637E-04	1.8629E-04	MULTPL	
221	119.03	-0.00	0.00										
222	120.41	-0.00	0.00										
223	121.42	-0.00	0.00										
224	122.12	-0.00	.05										
225	122.17	-0.00	.27										
226	122.17	-0.00	.48										
227	122.17	-0.00	.75										
228	122.17	-0.00	.99										
229	122.17	-0.00	1.22										
230	122.17	-0.00	1.52										
231	122.05	-0.00	2.03										
232	122.17	-0.00	1.77										
233	122.17	-0.00	1.51										
234	122.17	-0.00	1.22										
235	122.17	-0.00	.99										
236	122.17	-0.00	.75										
237	122.17	-0.00	.48										
238	122.17	-0.00	.27										
23[illegible]	122.17	.32	.13										

RE/M= 4.343E+06

240	122.22	-0.00	.05										
241	122.34	.02	0.00										
242	122.42	-0.00	0.00										
243	122.41	-0.00	0.00										
244	123.41	-0.00	0.00										
245	124.70	-0.00	0.00										
246	125.96	-0.00	0.00										
247	127.23	-0.00	0.00										
248	129.77	-0.00	0.00										
249	132.31	-0.00	0.00										
250	134.86	-0.00	0.00										
276	122.17	20.53	1.24										
277	122.17	20.53	1.00										
278	122.17	20.53	.74										
279	122.17	20.53	.50										
280	122.17	20.53	.24										
281	122.22	20.53	.05										
282	122.41	20.53	0.00										
283	122.96	20.53	0.00										
284	123.44	20.53	0.00										
285	124.69	20.53	0.00										
286	125.99	20.53	0.00										
287	127.25	20.53	0.00										
288	129.77	20.53	0.00										
289	132.31	20.53	0.00										
290	43.16	20.53	0.00										
291	122.17	-20.54	.75	1.02	3.80E+02	5.43?E-04	5.157E-04	.011	4.894E-02	9.145?E-06	6.6746E-06	SINTON	
292	122.17	-20.54	.51	1.02	1.28E+03	1.808E-03	1.787E-03	.037	4.894E-02	3.0269E-05	2.8706E-05	SINTON	
293	122.17	-20.54	.26	1.02	3.55E+03	7.819E-03	7.414E-03	.160	4.894E-02	1.3152E-04	1.2471E-04	SINTON	
294	122.17	-20.22	.09	1.02	6.79E+03	9.567E-03	9.072E-03	.195	4.894E-02	1.6093E-04	1.5268E-04	SINTON	
295	122.22	-20.54	.05	1.02	8.84E+03	1.247E-02	1.182E-02	.255	4.898E-02	2.0977E-04	1.9898E-04	SINTON	
296	122.30	-20.22	0.00	1.02	9.90E+03	1.398E-02	1.325E-02	.285	4.909E-02	2.3513E-04	2.2293E-04	SINTON	
297	122.53	-20.54	0.00	1.02	1.16E+04	1.635E-02	1.550E-02	.332	4.929E-02	2.7497E-04	2.6071E-04	SINTON	
298	122.33	-20.54	0.00	1.02	1.30E+04	1.927E-02	1.827E-02	.389	4.952E-02	3.2410E-04	3.0726E-04	SINTON	
299	123.41	-20.54	0.00	1.02	1.30E+04	1.919E-02	1.820E-02	.385	4.989E-02	3.2286E-04	3.0669E-04	SINTON	
210	124.70	-20.54	0.00	1.02	1.30E+04	1.838E-02	1.742E-02	.361	5.089E-02	3.0910E-04	2.9305E-04	SINTON	

RE/M= 4.511E+06

301	31.75	-0.00	0.00										
302	34.16	-0.00	0.00										
303	37.37	-0.00	0.00										
304	57.32	-0.00	0.00										
305	59.44	-0.00	0.00										
306	46.99	-0.00	0.00										
307	49.40	-0.00	0.00										
308	53.21	-0.00	0.00										
309	72.26	-0.00	0.00										
310	74.60	-0.00	0.00										
311	82.23	-0.00	0.00										
312	84.64	-0.00	0.00										
313	68.45	-0.00	0.00										
314	87.50	-0.00	0.00										
315	89.92	-0.00	0.00										
316	77.47	-0.00	0.00										
317	80.77	-0.00	0.00										
318	9.10	-0.00	0.00										
319	10.92	-0.00	0.00										
221	119.63	-0.00	0.00	2.03	9.41E+03	1.286E-02	1.220E-02	.281	4.503E-02	2.1974E-04	2.0844E-04	SINTUP	
222	120.70	-0.00	0.00	2.03	1.02E+04	1.394E-02	1.322E-02	.295	4.720E-02	2.3823E-04	2.2594E-04	SINTUP	
22	121.32	-0.00	0.00	2.03	8.52E+03	1.167E-02	1.106E-02	.241	4.340E-02	1.9937E-04	1.8910E-04	SINTUP	

22	122.12	-0.00	.05	2.03	6.71E+03	9.188E-03	8.715E-03	.189	4.562E-02	1.5703E-04	1.4894E-04	SINTUP
225	122.17	-0.00	.27	2.03	3.40E+03	5.198E-03	4.921E-03	.107	4.868E-02	8.8072E-05	8.4113E-05	SINTUP
226	122.17	-0.00	.49	2.03	1.14E+03	1.561E-03	1.481E-03	.032	4.568E-02	2.6677E-05	2.5307E-05	SINTUP
227	122.17	-0.00	.75	2.03	5.13E+02	7.014E-04	6.655E-04	.014	4.668E-02	1.1969E-05	1.1374E-05	SINTUP
228	122.17	-0.00	.99	2.03	3.17E+02	4.308E-04	4.088E-04	.009	4.868E-02	7.3636E-06	6.9865E-06	SINTUP
229	122.17	-0.00	1.22	2.03	1.91E+02	2.595E-04	2.463E-04	.005	4.868E-02	4.4360E-06	4.2091E-06	SINTUP
230	122.17	-0.00	1.52	2.03	8.08E+01	8.248E-05	7.827E-05	.002	4.568E-02	1.4097E-06	1.3377E-06	SINTUP
231	122.05	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51	2.03	1.77E+01	2.405E-05	2.282E-05	.000	4.868E-02	4.1109E-07	3.8997E-07	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1958). C. BLUMER RSI TILE GAPS RUN(79) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
234	122.17	-0.00	1.22	2.03	3.80E+01	5.251E-05	4.983E-05	.001	4.868E-02	8.9754E-07	8.5159E-07	SINTON
235	122.17	-0.00	.99	2.03	2.31E+02	2.740E-04	2.599E-04	.006	4.868E-02	4.6828E-06	4.4429E-06	SINTON
236	122.17	-0.00	.75	2.03	4.72E+02	6.434E-04	6.105E-04	.013	4.968E-02	1.0997E-05	1.0433E-05	SINTON
237	122.17	-0.00	.49	2.03	1.41E+03	1.922E-03	1.823E-03	.039	4.868E-02	3.2841E-05	3.1154E-05	SINTON
238	122.17	-0.00	.27	2.03	5.80E+03	8.011E-03	7.599E-03	.165	4.869E-02	1.3691E-04	1.2987E-04	SINTON
239	122.17	-.12	.13	2.03	9.23E+03	1.263E-02	1.198E-02	.259	4.869E-02	2.1596E-04	2.0481E-04	SINTON
240	122.22	-0.00	.35	2.03	1.02E+04	1.400E-02	1.328E-02	.287	4.874E-02	2.3933E-04	2.2701E-04	SINTON
241	122.34	.42	0.00	2.03	1.29E+04	1.757E-02	1.667E-02	.353	4.886E-02	3.0026E-04	2.8483E-04	SINTON
242	122.42	-0.00	0.00	2.03	1.34E+04	1.831E-02	1.737E-02	.374	4.895E-02	3.1291E-04	2.9680E-04	SINTON
243	122.91	-0.00	0.00	2.03	1.32E+04	1.809E-02	1.716E-02	.366	4.943E-02	3.0922E-04	2.9332E-04	SINTON
244	123.43	-0.00	0.00	2.03	1.25E+04	1.710E-02	1.622E-02	.342	5.046E-02	2.9232E-04	2.7727E-04	SINTON
245	124.70	-0.00	0.00	2.03	1.28E+04	1.755E-02	1.665E-02	.341	5.146E-02	2.9998E-04	2.8454E-04	SINTON
246	126.96	-0.00	0.00	2.03	1.32E+04	1.806E-02	1.713E-02	.342	5.235E-02	3.0869E-04	2.9281E-04	SINTON
247	127.23	-0.00	0.00	2.03	1.66E+04	2.262E-02	2.146E-02	.417	5.424E-02	3.8666E-04	3.6678E-04	SINTON
248	129.77	-0.00	0.00	2.03	1.79E+04	2.428E-02	2.303E-02	.426	5.704E-02	4.1491E-04	3.9359E-04	SINTON
249	132.31	-0.00	0.00	2.03	2.03E+04	2.774E-02	2.631E-02	.464	5.983E-02	4.7406E-04	4.4969E-04	SINTON
250	134.86	-0.00	0.00	2.03	2.44E+04	3.334E-02	3.163E-02	.532	6.254E-02	5.6981E-04	5.4054E-04	SINTON
276	122.17	20.53	1.24									
277	122.17	20.53	1.03	+.06	7.59E+00	1.001E-05	9.500E-06	.000	4.595E-02	1.7402E-07	1.6517E-07	SINTON
278	122.17	20.53	.74	+.06	1.71E+02	2.254E-04	2.139E-04	.005	4.595E-02	3.9134E-06	3.7139E-06	SINTON
279	122.17	20.53	.50	+.06	8.05E+02	1.144E-03	1.085E-03	.025	4.595E-02	1.9801E-05	1.8867E-05	SINTON
280	122.17	20.53	.24	+.06	4.77E+03	6.283E-03	5.964E-03	.137	4.595E-02	1.0923E-04	1.0368E-04	SINTON
281	122.22	20.53	.05	+.06	8.48E+03	1.122E-02	1.065E-02	.244	4.598E-02	1.9511E-04	1.8514E-04	SINTON
282	122.41	20.53	0.00	+.06	1.22E+04	1.623E-02	1.540E-02	.352	4.610E-02	2.8218E-04	2.6774E-04	SINTON
283	122.74	20.53	0.00	+.06	1.35E+04	1.799E-02	1.708E-02	.387	4.645E-02	3.1270E-04	2.9668E-04	SINTON
284	123.44	20.53	0.00	+.06	1.32E+04	1.749E-02	1.659E-02	.374	4.678E-02	3.0410E-04	2.8850E-04	SINTON
285	124.54	20.53	0.00	+.06	1.34E+04	1.840E-02	1.746E-02	.387	4.761E-02	3.1992E-04	3.0346E-04	SINTON
286	125.97	20.53	0.00	+.06	1.36E+04	1.813E-02	1.720E-02	.374	4.847E-02	3.1526E-04	2.9905E-04	SINTON
287	127.24	20.53	0.00	+.06	1.51E+04	2.018E-02	1.915E-02	.409	4.929E-02	3.5093E-04	3.3287E-04	SINTON
288	129.77	20.53	0.00	+.06	1.51E+04	2.016E-02	1.912E-02	.396	5.097E-02	3.5048E-04	3.3240E-04	SINTON
289	132.31	20.53	0.00	+.06	1.92E+04	2.568E-02	2.435E-02	.488	5.264E-02	4.4648E-04	4.2341E-04	SINTON
290	43.16	20.53	0.00	+.06	2.14E+04	2.924E-02	2.773E-02	1.898	1.549E-02	5.0838E-04	4.8215E-04	SINTON

RE/M= 4.343E+06

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN(80) 1973

TT = 1.099oE+03(K) CONF= 3.20
PT = 1.351oE+05(N/M2) GAP = .254 CM
HT = 1.154oE+06(J/KG) STEP = 0.000(CM)
RE/METER= 2.743E+06
MACH = 7.10
QS = 1.045oE+05(W/M2)
MAW/HT =0.907 FOR HT
MAW/HT =0.0.4 FOR ML

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (W/M2)	ML (KG/M2-S)	HT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL*	STT	GAP-TYPE
										RE/M= 2.743E+06		
281	122.17	-20.54	.75									
282	122.17	-20.54	.51									
283	122.17	-20.54	.28									
284	122.17	-20.22	.09									
285	122.22	-20.54	.35									
286	122.33	-20.22	0.00									
287	122.63	-20.54	0.00									
288	122.93	-20.54	0.00									
289	123.41	-20.54	0.00									
218	124.70	-20.54	0.00									
										RE/M= 2.788E+06		
381	31.75	-0.00	0.00	0.00	8.76E+03	1.256E-02	1.191E-02	.939	1.337E-02	3.6781E-04	3.4862E-04	MULTPL
382	34.16	-0.00	0.00	0.00	8.56E+03	1.198E-02	1.136E-02	.918	1.306E-02	3.5093E-04	3.3262E-04	MULTPL
383	37.97	-0.00	0.00	0.00	8.12E+03	1.101E-02	1.101E-02	.924	1.257E-02	3.4011E-04	3.2240E-04	MULTPL
384	57.32	-0.00	0.00	0.00	7.38E+03	1.058E-02	1.002E-02	1.043	1.014E-02	3.0969E-04	2.9354E-04	MULTPL
385	59.44	-0.00	0.00	0.00	7.49E+03	1.074E-02	1.018E-02	1.041	9.842E-03	3.1436E-04	2.9798E-04	MULTPL
386	46.39	-0.00	0.00	0.00	5.73E+03	8.289E-03	7.849E-03	.726	1.140E-02	2.4246E-04	2.2985E-04	MULTPL
387	49.40	-0.00	0.00	0.00	5.66E+03	8.099E-03	7.678E-03	.730	1.109E-02	2.3718E-04	2.2483E-04	MULTPL
388	53.21	-0.00	0.00	0.00	5.38E+03	7.784E-03	7.383E-03	.720	1.082E-02	2.2561E-04	2.1386E-04	MULTPL
389	72.20	-0.00	0.00	0.00	5.40E+03	7.819E-03	7.412E-03	.905	8.638E-03	2.2897E-04	2.1704E-04	MULTPL
310	74.68	-0.00	0.00	0.00	5.57E+03	7.969E-03	7.554E-03	.932	8.555E-03	2.3335E-04	2.2128E-04	MULTPL
311	82.23	-0.00	0.00	0.00	6.97E+03	9.977E-03	9.457E-03	1.040	9.536E-03	2.9215E-04	2.7693E-04	MULTPL
312	84.64	-0.00	0.00	0.00	7.04E+03	1.004E-02	9.560E-03	1.087	9.201E-03	2.9534E-04	2.7995E-04	MULTPL
313	88.45	-0.00	0.00	0.00	6.43E+03	9.209E-03	8.729E-03	1.037	8.879E-03	2.6966E-04	2.5562E-04	MULTPL
314	87.58	-0.00	0.00	0.00	5.90E+03	8.439E-03	8.000E-03	.963	8.767E-03	2.4713E-04	2.3426E-04	MULTPL
315	83.92	-0.00	0.00	0.00	6.24E+03	8.934E-03	8.469E-03	1.004	8.895E-03	2.6161E-04	2.4794E-04	MULTPL
316	77.47	-0.00	0.00	0.00	5.60E+03	8.020E-03	7.609E-03	.949	8.458E-03	2.3587E-04	2.2282E-04	MULTPL
317	80.77	-0.00	0.00	0.00	5.43E+03	7.791E-03	7.384E-03	.926	8.412E-03	2.2813E-04	2.1624E-04	MULTPL
318	8.78	-0.00	0.00	0.00	5.15E+03	7.385E-03	7.000E-03	.451	1.639E-02	2.1625E-04	2.0498E-04	MULTPL
319	10.50	-0.00	0.00	0.00	5.13E+03	7.356E-03	6.972E-03	.457	1.608E-02	2.1546E-04	2.0417E-04	MULTPL
221	119.65	-0.00	0.00									
222	120.90	-0.00	0.00									
223	121.92	-0.00	0.00									
224	122.12	-0.00	.05									
225	122.17	-0.00	.27									
226	122.17	-0.00	.48									
227	122.17	-0.00	.75									
228	122.17	-0.00	.99									
229	122.17	-0.00	1.22									
230	122.17	-0.00	1.52									
231	122.15	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75									
237	122.17	-0.00	.49									
238	122.17	-0.00	.27									
2[illegible]	122.17	.32	.13									

RE/M= 2.633E+06

241	122.34	-.32	0.00									
242	122.42	-0.00	0.00									
243	122.91	-0.00	0.00									
244	123.43	-0.00	0.00									
245	124.70	0.00	0.00									
246	125.36	-0.00	0.00									
247	127.23	-0.00	0.00									
248	129.77	-0.00	0.00									
249	132.31	-0.00	0.00									
250	134.95	-0.00	0.00									
276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74									
279	122.17	20.53	.50									
280	122.17	20.53	.24									
281	122.22	20.53	.05									
282	122.41	20.53	0.00									
283	122.94	20.53	0.00									
284	123.44	20.53	0.00									
285	124.69	20.53	0.00									
286	125.99	20.53	0.00									
287	127.24	20.53	0.00									
288	129.77	20.53	0.00									
289	132.31	20.53	0.00									
290	43.16	20.53	0.00									

RE/M= 2.743E+06

201	122.17	-20.54	.75	1.02	1.88E+02	2.707E-04	2.566E-04	.018	1.543E-02	7.082JE-06	7.471TE-06	SINTOM
202	122.17	-20.54	.51	1.02	6.68E+02	8.796E-04	8.337E-04	.057	1.543E-02	2.561JE-05	2.427JE-05	SINTOM
203	122.17	-20.54	.26	1.02	2.42E+03	3.511E-03	3.328E-03	.228	1.543E-02	1.0223E-04	9.6891E-05	SINTOM
204	122.17	-20.22	.09	1.02	2.72E+03	3.937E-03	3.731E-03	.254	1.552E-02	1.1462E-04	1.0863E-04	SINTOM
205	122.22	-20.54	.05	1.02	3.43E+03	4.975E-03	4.715E-03	.322	1.345E-02	1.4486E-04	1.3728E-04	SINTOM
206	122.30	-20.22	0.00	1.02	3.70E+03	5.369E-03	5.088E-03	.344	1.559E-02	1.5633E-04	1.4815E-04	SINTOM
207	122.63	-20.54	0.00	1.02	4.40E+03	6.387E-03	6.053E-03	.408	1.566E-02	1.8597E-04	1.7624E-04	SINTOM
208	122.93	-20.54	0.00	1.02	5.51E+03	7.996E-03	7.577E-03	.506	1.581E-02	2.3281E-04	2.2042E-04	SINTOM
209	123.41	-20.54	0.00	1.02	5.43E+03	7.836E-03	7.426E-03	.488	1.606E-02	2.2817E-04	2.1622E-04	SINTOM
210	124.70	-20.54	0.00	1.02	4.92E+03	7.141E-03	6.767E-03	.427	1.671E-02	2.0792E-04	1.9703E-04	SINTOM

RE/M= 2.708E+06

301	31.75	-0.00	0.00									
302	34.16	-0.00	0.00									
303	37.97	-0.00	0.00									
304	57.02	-0.00	0.00									
305	59.44	-0.00	0.00									
306	46.39	-0.00	0.00									
307	49.40	-0.00	0.00									
308	53.21	-0.00	0.00									
309	72.26	-0.00	0.00									
310	74.69	-0.00	0.00									
311	62.23	-0.00	0.00									
312	64.74	-0.00	0.00									
313	69.45	-0.00	0.00									
314	97.50	-0.00	0.00									
315	80.32	-0.00	0.00									
316	77.87	-0.00	0.00									
317	40.77	-0.00	0.00									
318	9.36	-0.00	0.00									
319	11.94	-0.00	0.00									
221	12.24	-0.00	0.00	2.00	4.32E+03	7.11JE-03	6.746E-03	.391	1.82JE-02	2.0823E-04	1.9735E-04	SINTUP
222	12.24	-0.00	0.00	2.00	4.39E+03	7.113E-03	6.766E-03	.375	1.JJ4E-02	2.09JJE-04	1.9912E-04	SINTUP
22	12.24	-0.00	0.00	2.00	3.73E+03	6.039E-03	5.089E-03	272	1.974E-02	1.5723E-04	1.4901E-04	SINTUP

224	122.12	-0.00	.05	2.03	2.77E+03	3.982E-03	3.773E-03	.200	1.988E-02	1.1659E-04	1.1050E-04	SINTUP
225	122.17	-0.00	.27	2.03	1.26E+03	1.806E-03	1.712E-03	.091	1.991E-02	5.2896E-05	5.0134E-05	SINTUP
226	122.17	-0.00	.48	2.03	2.93E+02	4.205E-04	3.986E-04	.021	1.991E-02	1.2314E-05	1.1671E-05	SINTUP
227	122.17	-0.00	.75	2.03	7.43E+01	1.064E-04	1.009E-04	.005	1.991E-02	3.1163E-06	2.9548E-06	SINTUP
228	122.17	-0.00	.99									
229	122.17	-0.00	1.22									
230	122.17	-0.00	1.52									
231	122.05	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.99									
236	122.17	-0.00	.75	2.03	5.67E+02	8.119E-05	7.696E-05	.004	1.991E-02	2.3775E-06	2.2536E-06	SINTON
237	122.17	-0.00	.48	2.03	5.09E+	7.302E-04	6.921E-04	.037	1.991E-02	2.1384E-05	2.0268E-05	SINTON
238	122.17	-0.00	.27	2.03	2.10E+03	3.009E-03	2.851E-03	.151	1.991E-02	8.8098E-05	8.3498E-05	SINTON
239	122.17	.32	.13	2.03	3.11E+03	4.456E-03	4.224E-03	.223	1.998E-02	1.3049E-04	1.2368E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST(1158), C. BLUMER RSI TILE GAPS RUN(88) 1973 PAGE 148

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPD (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
240	122.22	-0.00	.05	2.03	3.36E+03	4.822E-03	4.570E-03	.242	1.995E-02	1.4119E-04	1.3381E-04	SINTON
241	122.36	.32	0.00	2.03	4.43E+03	6.312E-03	5.983E-03	.314	2.009E-02	1.8483E-04	1.7518E-04	SINTON
242	122.42	-0.00	0.00	2.03	4.73E+03	6.803E-03	6.447E-03	.339	2.008E-02	1.9926E-04	1.8879E-04	SINTON
243	122.91	-0.00	0.00	2.03	5.20E+03	7.550E-03	7.153E-03	.370	2.042E-02	2.2132E-04	2.0976E-04	SINTON
244	123.43	-0.00	0.00	2.03	4.98E+03	7.156E-03	6.782E-03	.344	2.078E-02	2.0954E-04	1.9859E-04	SINTON
245	124.70	-0.00	0.00	2.03	4.09E+03	6.742E-03	6.390E-03	.311	2.166E-02	1.9743E-04	1.8711E-04	SINTON
246	125.96	-0.00	0.00	2.03	4.41E+03	6.339E-03	6.008E-03	.281	2.253E-02	1.8562E-04	1.7593E-04	SINTON
247	127.23	-0.00	0.00	2.03	4.97E+03	7.129E-03	6.757E-03	.305	2.340E-02	2.0877E-04	1.9787E-04	SINTON
248	129.77	-0.00	0.00	2.03	4.58E+03	6.576E-03	6.233E-03	.261	2.516E-02	1.9257E-04	1.8252E-04	SINTON
249	132.31	-0.00	0.00	2.03	4.59E+03	6.592E-03	6.248E-03	.245	2.691E-02	1.9303E-04	1.8295E-04	SINTON
250	134.86	-0.00	0.00	2.03	4.73E+03	6.785E-03	6.431E-03	.237	2.866E-02	1.9869E-04	1.8833E-04	SINTON

RE/M= 2.693E+06

276	122.17	20.53	1.24									
277	122.17	20.53	1.06									
278	122.17	20.53	.74	4.06	6.44E+01	8.928E-05	8.466E-05	.004	2.061E-02	2.6607E-06	2.5230E-06	SINTON
279	122.17	20.53	.50	4.06	3.00E+02	4.163E-04	3.947E-04	.020	2.061E-02	1.2406E-05	1.1763E-05	SINTON
280	122.17	20.53	.24	4.06	2.04E+03	2.817E-03	2.671E-03	.137	2.061E-02	8.3939E-05	7.9608E-05	SINTON
281	122.22	20.53	.05	4.06	3.45E+03	4.799E-03	4.550E-03	.233	2.063E-02	1.4362E-04	1.3560E-04	SINTON
282	122.41	20.53	0.00	4.06	4.79E+03	6.665E-03	6.319E-03	.322	2.071E-02	1.9862E-04	1.8830E-04	SINTON
283	122.94	20.53	0.00	4.06	5.32E+03	7.413E-03	7.024E-03	.354	2.096E-02	2.2092E-04	2.0944E-04	SINTON
284	123.44	20.53	0.00	4.06	5.15E+03	7.185E-03	6.811E-03	.339	2.119E-02	2.1412E-04	2.0298E-04	SINTON
285	124.69	20.53	0.00	4.06	5.07E+03	7.075E-03	6.706E-03	.325	2.177E-02	2.1084E-04	1.9986E-04	SINTON
286	125.99	20.53	0.00	4.06	4.67E+03	6.517E-03	6.178E-03	.291	2.236E-02	1.9422E-04	1.8418E-04	SINTON
287	127.24	20.53	0.00	4.06	4.79E+03	6.686E-03	6.347E-03	.292	2.294E-02	1.9954E-04	1.8913E-04	SINTON
288	129.77	20.53	0.00	4.06	4.45E+03	6.235E-03	5.909E-03	.259	2.411E-02	1.8586E-04	1.7609E-04	SINTON
289	132.31	20.53	0.00	4.06	5.02E+03	7.041E-03	6.673E-03	.279	2.528E-02	2.0984E-04	1.9887E-04	SINTON
290	43.16	20.53	0.30	4.06	5.04E+03	7.056E-03	6.688E-03	.571	1.235E-02	2.1028E-04	1.9929E-04	SINTON

AMES 3.5 FT WIND TUNNEL TEST1150). C. BLUMER RSI TILE GAPS RUN1 811 1973

TT = 1.10+5E+03(K) CONF= 3.20
PT = 1.46+0E+00(N/M2) GAP = .254 CM
HT = 1.1+0E+06(J/KG) STEP = 0.00..CM)
RE/METER= 6.745E+06
MACH = 5.10
QS = 1.+02E+05(N/M2)
MAM/MT =+.307 FOR MT
MAM/MT =6.874 FOR ML

RE/M= 6.745E+06

T/C	X (CM)	YY (CM)	ZZ GAPD (CM)	(CM)	Q (W/M2)	ML (KG/M2-S)	MT (KG/M2-S)	ML/MREFF	MREFF (KG/M2-S)	STL	STT	GAP-TYPE
												RE/M= 6.745E+06
201	122.17	-20.54	.75									
202	122.17	-20.54	.51									
203	122.17	-20.54	.26									
204	122.17	-20.22	.03									
205	122.22	-20.54	.05									
206	122.30	-20.22	0.00									
207	122.63	-20.54	0.00									
208	122.33	-20.54	0.00									
209	123.41	-20.54	0.00									
210	124.70	-20.54	0.00									
301	31.75	-0.00	0.00	0.00	1.04E+04	1.437E-02	1.3b3E-02	.892	1.611E-02	2.4409E-04	2.3145E-04	MULTPL
302	36.18	-0.00	0.00	0.00	9.97E+03	1.382E-02	1.310E-02	.876	1.578E-02	2. 467E-04	2.2251E-04	MULTPL
303	37.97	-0.00	0.00	0.00	9.85E+03	1.366E-02	1.296E-02	.896	1.525E-02	2.3 03E-04	2.2005E-04	MULTPL
304	57.02	-0.00	0.00	0.00	9.17E+03	1.271E-02	1.205E-02	1.022	1.244E-02	2.1582E-04	2.0404E-04	MULTPL
305	59.44	-0.00	0.00	0.00	9.43E+03	1.305E-02	1.237E-02	1.083	1.205E-02	2.2159E-04	2.1039E-04	MULTPL
306	46.99	-0.00	0.00	0.00	7.77E+03	1.074E-02	1.018E-02	.760	1.399E-02	1.823FE-04	1.7295E-04	MULTPL
307	49.00	-0.00	0.00	0.00	7.48E+03	1.035E-02	9.818E-03	.759	1.365E-02	1.7583E-04	1.6674E-04	MULTPL
308	53.21	-0.00	0.00	0.00	7.17E+03	9.915E-03	9.4u3E-03	.760	1.305E-02	1.6838E-04	1.5968E-04	MULTPL
309	72.20	-0.00	0.00	0.00	7.19E+03	9.949E-03	9.435E-03	.884	1.125E-02	1.6096E-04	1.6023E-04	MULTPL
310	74.65	-0.00	0.00	0.00	7.39E+03	1.u23E-02	9.696E-03	.892	1.146E-02	1.7364E-04	1.6466E-04	MULTPL
311	62.23	-0.00	0.00	0.00	8.83E+03	1.223E-02	1.160E-02	1.040	1.176E-02	2.077HE-04	1.9696E-04	MULTPL
312	64.64	-0.00	0.00	0.00	9.30E+03	1.256E-02	1.190E-02	1.088	1.154E-02	2.1322E-04	2.0217E-04	MULTPL
313	66.45	-0.00	0.00	0.00	8.42E+03	1.160E-02	1.105E-02	1.041	1.120E-02	1.9799E-04	1.8771E-04	MULTPL
314	67.50	-0.00	0.00	0.00	7.74E+03	1.072E-02	1.017E-02	.730	1.469E-02	1.8209E-04	1.7267E-04	MULTPL
315	89.32	-0.00	0.00	0.00	8.32E+03	1.153E-02	1.093E-02	.739	1.559E-02	1.9573E-04	1.8568E-04	MULTPL
316	77.47	-0.00	0.00	0.00	7.38E+03	1.023E-02	9.701E-03	.875	1.170E-02	1.7373E-04	1.6674E-04	MULTPL
317	86.77	-0.00	0.00	0.00	7.48E+03	1.036E-02	9.826E-03	.849	1.220E-02	1.7599E-04	1.6687E-04	MULTPL
318	8.38	-0.00	0.00	0.00	8.09E+03	1.121E-02	1.063E-02	.578	1.938E-02	1.9835E-04	1.8049E-04	MULTPL
319	10.84	-0.00	0.00	0.00	9.45E+03	1.309E-02	1.241E-02	.688	1.904E-02	2.2233E-04	2.1083E-04	MULTPL
221	119.53	-0.00	0.00									
222	120.90	-0.00	0.00									
223	121.32	-0.00	0.00									
224	122.12	-0.00	.05									
225	122.17	-0.00	.27									
226	122.17	-0.00	.48									
227	122.17	-0.00	.75									
228	122.17	-0.00	.99									
229	122.17	-0.00	1.22									
230	122.17	-0.00	1.52									
231	122.09	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22									
235	122.17	-0.00	.94									
236	122.17	-0.00	.75									
237	122.17	-0.00	.48									
238	122.17	-0.00	.27									
27	122.17	-.32	.13									

24	122.22	-0.00	.05
241	122.34	.32	0.06
242	122.42	-0.00	0.00
243	122.91	-0.00	0.00
244	123.43	-0.00	0.00
245	124.70	-0.00	0.00
246	125.96	-0.00	0.00
247	127.23	-0.00	0.00
248	129.77	-0.00	0.00
249	132.31	-0.00	0.00
250	134.86	-0.00	0.00

RE/N= 4.398E+06

276	122.17	20.53	1.24
277	122.17	20.53	1.00
278	122.17	20.53	.74
279	122.17	20.53	.50
280	122.17	20.53	.24
281	122.22	20.53	.05
282	122.41	20.53	0.00
283	122.94	20.53	0.00
284	123.44	20.53	0.00
285	124.69	20.53	0.00
286	125.99	20.53	0.06
287	127.24	20.53	0.06
288	129.77	20.53	0.00
289	132.31	20.53	0.00
290	43.16	20.53	0.00

RE/N= 4.745E+06

201	122.17	-20.54	.75	1.02	3.66E+02	5.219E-04	4.948E-04	.010	5.012E-02	8.7105E-06	8.2583E-06	SINTON
202	122.17	-20.54	.51	1.02	1.32E+03	1.888E-03	1.789E-03	.038	5.012E-02	3.1585E-05	2.9864E-05	SINTON
203	122.17	-20.54	.28	1.02	5.63E+03	8.061E-03	7.648E-03	.161	5.012E-02	1.3454E-04	1.2752E-04	SINTON
204	122.17	-20.22	.09	1.02	6.80E+03	9.757E-03	9.247E-03	.194	5.017E-02	1.6286E-04	1.5435E-04	SINTON
205	122.22	-20.54	.05	1.02	8.72E+03	1.251E-02	1.186E-02	.249	5.016E-02	2.0887E-04	1.9796E-04	SINTON
206	122.33	-20.22	0.00	1.02	9.93E+03	1.427E-02	1.352E-02	.284	5.027E-02	2.3818E-04	2.2572E-04	SINTON
207	122.63	-20.54	0.00	1.02	1.13E+04	1.630E-02	1.545E-02	.323	5.047E-02	2.7205E-04	2.5782E-04	SINTON
208	122.93	-20.54	0.00	1.02	1.30E+04	1.959E-02	1.856E-02	.386	5.069E-02	3.2694E-04	3.0981E-04	SINTON
209	123.41	-20.54	0.00	1.02	1.35E+04	1.947E-02	1.845E-02	.381	5.105E-02	3.2497E-04	3.0794E-04	SINTON
210	124.72	-20.54	0.00	1.02	1.28E+04	1.846E-02	1.758E-02	.355	5.283E-02	3.0818E-04	2.9285E-04	SINTON

RE/N= 4.564E+06

301	31.75	-0.00	0.00									
302	34.16	-0.00	0.00									
303	37.97	-0.00	0.00									
304	57.02	-0.00	0.00									
305	59.44	-0.00	0.06									
306	46.99	-0.00	0.00									
307	49.40	-0.00	0.00									
308	53.21	-0.00	0.00									
309	72.26	-0.00	0.00									
310	74.63	-0.00	0.00									
311	62.23	-0.00	0.00									
312	64.64	-0.00	0.00									
313	68.45	-0.00	0.00									
314	87.50	-0.00	0.00									
315	89.92	-0.00	0.00									
316	77.47	-0.00	0.00									
317	80.77	-0.00	0.00									
318	8.78	-0.00	0.00									
319	10.40	-0.00	0.00									
221	119.63	-0.00	0.00	2.03	1.06E+04	1.466E-02	1.390E-02	.315	4.655E-02	2.4896E-04	2.3599E-04	SINTUP
222	120.90	-0.00	0.00	2.03	1.13E+04	1.574E-02	1.492E-02	.328	4.800E-02	2.6729E-04	2.5338E-04	SINTUP
22	121.92	-0.00	0.00	2.03	9.50E+03	1.321E-02	1.253E-02	.269	4.911E-02	2.2448E-04	2.1275E-04	SINTUP

22	122.12	-0.00	.05	2.03	7.35E+03	1.021E-02	9.082E-03	.207	4.933E-02	1.7342E-04	1.6441E-04	SINTUP
225	122.17	-0.00	.27	2.03	3.85E+03	5.347E-03	5.070E-03	.108	4.939E-02	9.0801E-05	8.6093E-05	SINTUP
226	122.17	-0.00	.48	2.03	1.08E+03	1.502E-03	1.424E-03	.030	4.939E-02	2.5511E-05	2.4190E-05	SINTUP
227	122.17	-0.00	.75	2.03	4.98E+02	6.868E-04	6.513E-04	.014	4.939E-02	1.1663E-05	1.1060E-05	SINTUP
228	122.17	-0.00	.99	2.03	2.69E+02	3.713E-04	3.521E-04	.008	4.939E-02	6.3051E-06	5.9795E-06	SINTUP
229	122.17	-0.00	1.22	2.03	1.46E+02	2.011E-04	1.907E-04	.004	4.939E-02	3.4149E-06	3.2387E-06	SINTUP
230	122.17	-0.00	1.52									
231	122.05	-0.00	2.03									
232	122.17	-0.00	1.77									
233	122.17	-0.00	1.51									
234	122.17	-0.00	1.22	2.03	8.34E+01	1.152E-04	1.093E-04	.002	4.939E-02	1.9565E-06	1.8555E-06	SINTUP
235	122.17	-0.00	.99	2.03	2.21E+02	3.060E-04	2.902E-04	.006	4.939E-02	5.1965E-06	4.9288E-06	SINTUP

AMES 3.5 FT WIND TUNNEL TEST(158), C. BLUMER RSI TILE GAPS RUN# 81) 1973

T/C	X (CM)	YY (CM)	ZZ (CM)	GAPO (CM)	Q (N/M2)	HL (KG/M2-S)	HT (KG/M2-S)	HL/HREFF	HREFF (KG/M2-S)	STL	STT	GAP-TYPE
236	122.17	-0.00	.75	2.03	4.22E+02	5.830E-04	5.529E-04	.012	4.939E-02	9.9005E-06	9.3886E-06	SINTON
237	122.17	-0.00	.48	2.03	1.40E+03	1.936E-03	1.836E-03	.039	4.939E-02	3.2882E-05	3.1179E-05	SINTON
238	122.17	-0.00	.27	2.03	6.12E+03	8.469E-03	8.049E-03	.172	4.939E-02	1.4415E-04	1.3668E-04	SINTON
239	122.17	.32	.13	2.03	9.97E+03	1.381E-02	1.310E-02	.280	4.940E-02	2.3459E-04	2.2246E-04	SINTON
240	122.22	-0.00	.25	2.03	1.11E+04	1.534E-02	1.463E-02	.312	4.944E-02	2.6201E-04	2.4841E-04	SINTON
241	122.34	.32	0.00	2.03	1.41E+04	1.954E-02	1.853E-02	.394	4.956E-02	3.3188E-04	3.1468E-04	SINTON
242	122.42	-0.00	0.00	2.03	1.49E+04	2.068E-02	1.961E-02	.417	4.965E-02	3.5128E-04	3.3297E-04	SINTON
243	122.91	-0.00	0.00	2.03	1.44E+04	1.992E-02	1.888E-02	.397	5.013E-02	3.3823E-04	3.2069E-04	SINTON
244	123.43	-0.00	0.00	2.03	1.30E+04	1.899E-02	1.791E-02	.372	5.076E-02	3.2077E-04	3.0411E-04	SINTON
245	124.70	-0.00	0.00	2.03	1.38E+04	1.920E-02	1.821E-02	.368	5.215E-02	3.2612E-04	3.0920E-04	SINTON
246	125.96	-0.00	0.00	2.03	1.41E+04	1.950E-02	1.849E-02	.364	5.354E-02	3.3115E-04	3.1398E-04	SINTON
247	127.23	-0.00	0.00	2.03	1.74E+04	2.417E-02	2.292E-02	.440	5.492E-02	4.1049E-04	3.8920E-04	SINTON
248	129.77	-0.00	0.00	2.03	1.84E+04	2.550E-02	2.418E-02	.442	5.771E-02	4.3298E-04	4.1054E-04	SINTON
249	132.31	-0.00	0.00	2.03	2.04E+04	2.829E-02	2.683E-02	.468	6.049E-02	4.8048E-04	4.5558E-04	SINTON
250	134.86	-0.00	0.00	2.03	2.42E+04	3.357E-02	3.183E-02	.530	6.328E-02	5.7011E-04	5.4058E-04	SINTON
											RE/M=	4.398E+06
276	122.17	20.53	1.24									
277	122.17	20.53	1.00									
278	122.17	20.53	.74	4.06	1.43E+02	1.922E-04	1.823E-04	.004	4.653E-02	3.3181E-06	3.1473E-06	SINTON
279	122.17	20.53	.50	4.06	8.34E+02	1.123E-03	1.065E-03	.024	4.653E-02	1.9394E-05	1.8394E-05	SINTON
280	122.17	20.53	.24	4.06	5.17E+03	6.931E-03	6.575E-03	.149	4.653E-02	1.1908E-04	1.1353E-04	SINTON
281	122.22	20.53	.05	4.06	9.55E+03	1.288E-02	1.222E-02	.277	4.657E-02	2.2246E-04	2.1096E-04	SINTON
282	122.41	20.53	0.00	4.06	1.39E+04	1.876E-02	1.779E-02	.402	4.669E-02	3.2400E-04	3.0724E-04	SINTON
283	122.34	20.53	0.00	4.06	1.52E+04	2.061E-02	1.955E-02	.438	4.704E-02	3.5598E-04	3.3753E-04	SINTON
284	123.44	20.53	0.00	4.06	1.49E+04	2.014E-02	1.910E-02	.425	4.737E-02	3.4778E-04	3.2974E-04	SINTON
285	124.69	20.53	0.00	4.06	1.56E+04	2.113E-02	2.003E-02	.438	4.819E-02	3.6403E-04	3.4587E-04	SINTON
286	125.99	20.53	0.00	4.06	1.52E+04	2.068E-02	1.961E-02	.422	4.905E-02	3.5714E-04	3.3857E-04	SINTON
287	127.24	20.53	0.00	4.06	1.71E+04	2.326E-02	2.205E-02	.466	4.987E-02	4.0174E-04	3.8083E-04	SINTON
288	129.77	20.53	0.00	4.06	1.64E+04	2.232E-02	2.115E-02	.433	5.154E-02	3.8534E-04	3.6524E-04	SINTON
289	132.31	20.53	0.00	4.06	2.06E+04	2.816E-02	2.669E-02	.529	5.321E-02	4.8633E-04	4.6092E-04	SINTON
290	43.16	20.53	0.00	4.06	2.36E+04	3.213E-02	3.045E-02	2.062	1.558E-02	5.5476E-04	5.2579E-04	SINTON

6.0 REFERENCES

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1. D. A. Throckmorton, "Data Man Report on the CFHT Tests," NASA TMX 71945 "Heat Transfer to Surface in Gaps of RSI Tile Arrays in Turbulent Flow at M = 10.3," April 1974.
2. C. B. Johnson, "Heat Transfer Data to Cavities Between Simulated RSI Tiles at Mach 8," DMS-DR-2043, NASA CR-128,770, June 1973.
3. Data Man DMS-DR 2035 NAS CR 134,007, "Thermal Protection System Gap Heating Rates of the Rockwell International Flat Plate Heat Transfer Model (OH2A and (OH2B), by Thomas F. Foster (RI), William K. Lockman (NASA AMES) and William J. Grifall (RI).